FINAL
Site Inspection Report

Biggs OB Site II

Environmental Remediation Services at Four Installation Restoration Program Sites and Military Munitions Program Sites at Fort Bliss, Texas

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Prepared for:

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ACRONYMS AND ABBREVIATIONS

°F	degrees Fahrenheit
BAAF	Biggs Army Airfield
bgs	below ground surface
CAPE	Cape Environmental Management Inc
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	chemicals of concern
COPC	contaminants of potential concern
CSM	conceptual site model
DERP	Defense Environmental Restoration Program
DGM	digital geophysical mapping
DMM	Discarded Military Munitions
DoD	Department of Defense
DQO	data quality objective
FS	Feasibility Study
ft.	feet
GPS	global positioning system
HE	high explosive
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
ISM	Incremental Sampling Method
ISO	industry standard object
IVS	Instrument Verification Strip
kg	kilogram
LANL	Los Alamos National Laboratory
LOQ	limit of quantitation
MC	munitions constituent
MD	munitions debris
MEC	munitions and explosives of concern
mg/kg	milligrams per kilogram

ACRONYMS AND ABBREVIATIONS *(continued)*

mm	millimeter
MMRP	Military Munitions Response Program
MPC	measurement performance criteria
MPPEH	material potentially presenting an explosive hazard
MRS	munitions response site
N/A	not applicable
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NRCS	Natural Resources Conservation Service
OB/OD	open burn / open detonation
PAH	polynuclear aromatic hydrocarbon
PAL	project action limit
PCL	Protective Concentration Level
PETN	pentaerythritol tetranitrate
PWS	Performance Work Statement
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RG	regulatory guidance
RI	remedial investigation
SARA	Superfund Amendments and Reauthorization Act
SI	site inspection
SIM	selective ion monitoring
SLRA	screening level risk assessment
SOP	Standard Operating Procedure
SU	sampling unit
TCEQ	Texas Commission on Environmental Quality
TCRA	Time Critical Removal Action
Tetryl	Methyl-2,4,6-trinitrophenylnitramine
TRRP	Texas Risk Reduction Program

ACRONYMS AND ABBREVIATIONS *(continued)*

TWDB	Texas Water Development Board
UFP-QAPP	Uniform Federal Policy – Quality Assurance Project Plan
U.S.	United States
USAEC	U.S. Army Environmental Command
USC	U.S. Code
USEPA	U.S. Environmental Protection Agency
UXO	unexploded ordnance
VSP	Visual Sample Plan

GLOSSARY OF TERMS

Anomaly	Any item that deviates from the expected subsurface ferrous and non-ferrous material at a site (i.e., pipes, power lines, etc.).
magnetometer	An instrument for measuring the strength of a magnetic field; used to detect buried iron and other metal objects.
military munitions	All ammunition products and components produced for or used by the armed forces for national defense and security, including ammunition products or components under the control of the Department of Defense, the Coast Guard, the Department of Energy, and the National Guard. The term includes confined gaseous, liquid, and solid propellants; explosives, pyrotechnics, chemical and riot control agents, smokes, and incendiaries, including bulk explosives and chemical warfare agents; chemical munitions, rockets, guided and ballistic missiles, bombs, warheads, mortar rounds, artillery ammunition, small arms ammunition, grenades, mines, torpedoes, depth charges, cluster munitions and dispensers, demolition charges; and devices and components thereof.
munitions and explosives of concern (MEC)	Military munitions that may pose unique explosives safety risks, including unexploded ordnance, discarded military munitions, or munitions constituents present in high enough concentrations to pose an explosive or other health hazard.
munitions constituents (MC)	Any materials originating from unexploded ordnance, discarded military munitions, or other military munitions, including explosive and nonexplosive materials, and emission, degradation, or breakdown elements of such ordnance or munitions.
munitions debris (MD)	Remnants of munitions (e.g., penetrators, projectiles, shell casings, links, fins) remaining after munitions use, demilitarization, or disposal.
munitions response	Response actions, including investigation, removal actions, and remedial actions, to address the explosive safety, human health, or environmental risks presented by unexploded ordnance, discarded military munitions, or munitions constituents; or to support a determination that no removal or remedial action is required.
munitions response site (MRS)	A discrete location known to require a munitions response.

GLOSSARY OF TERMS *(continued)*

projectile	Object projected by an applied force and continuing in motion by its own inertia. This includes bullets, bombs, shells, grenades, guided missiles, and rockets.
unexploded ordnance (UXO)	Military munitions that have been primed, fuzed, armed, or otherwise prepared for action; that have been fired, dropped, launched, projected, or placed in such a manner as to constitute a hazard to operations, installation, personnel, or material; and that remain unexploded whether by malfunction, design, or any other cause.

EXECUTIVE SUMMARY

ES.1 The objective of this site inspection (SI) was to evaluate the potential presence of munitions and explosives of concern (MEC) and munitions constituents (MC) at OB Site II at Biggs Army Airfield (BAAF) at Fort Bliss in El Paso, Texas. The primary objective and purpose of the SI is the determination, using digital geophysical mapping (DGM) surveys and MC sampling, as to whether the site should be recommended for immediate action (Time Critical Removal Action [TCRA]), subsequent characterization actions (such as a Remedial Investigation [RI]/Feasibility Study [FS]), or no further action.

ES.2 The Army identified Biggs OB Site II as a possible munitions disposal area. There is very little documentation on the history or activities performed at the investigation site. Based on inference from the history of BAAF, the historical use of the site may date back to the Army during World War II. According to the 2013 Memorandum to File (Fort Bliss, 2013), the only visual evidence of possible disposal activities inside the 14-acre site boundary is a possible pit and a mound. While open burn/open detonation (OB/OD) Site I, a confirmed former munitions disposal site located 0.9 miles to the south of OB Site II, was shown on a Historic Engineering Design map of the BAAF vicinity to the north of the airfield, there are no details shown on that map in the vicinity of OB Site II. This raises the possibly that Biggs OB Site II was not an established and commonly used disposal area.

ES.3 The approved Work Plan (Uniform Federal Policy Quality Assurance Project Plan [UFP-QAPP]) for Biggs OB Site II was developed based on the Performance Work Statement (PWS) (**Appendix A**) and input from the project stakeholders. The approved UFP-QAPP (CAPE, 2016) presented the scope for the OB Site II SI, which in general, included:

- Perform DGM transect surveys throughout the investigation area along parallel transects spaced at 10 feet (ft).
- Identify potential disposal features using the data from the DGM surveys. Based on the transect width and spacing, the data would be sufficient to traverse potential disposal features with a minimum radius of 5 feet 100 percent of the time.
- Collect and analyze soil samples for explosives; MC metals (aluminum, antimony, copper, lead, and zinc); and polynuclear aromatic hydrocarbons (PAHs) to evaluate the presence or absence of MC contamination.
- Compare the analytical results with project action limits (PALs), developed based on selected human health and ecological screening values, to determine whether MC contamination is present in the sampled media. Analytes detected at concentrations greater than their respective PALs and background concentrations would be considered contaminants of potential concern (COPCs) and would be retained for further risk assessment evaluation.

ES.4 The field investigation for the SI took place between March 1 and April 7, 2017. The SI field team collected 10 miles of DGM transect data to assess the potential presence of MEC

contamination at Biggs OB Site II. The transects were spaced 10 feet apart and covered the entire site and areas just outside the site boundary. These DGM surveys conducted during the SI identified six geophysical anomalies that could not be attributed to non-munitions related sources. Consequently, in accordance with the approved project data quality objectives (DQOs), these anomalies are assumed to be potential MEC-related subsurface disposal features at Biggs OB Site II. In addition to these observations, one MEC item (a 40mm projectile) was found on the surface just outside the boundary at the southern edge of the site. While no other MEC, material potentially presenting an explosive hazard (MPPEH), or munitions debris (MD) was observed during the SI, this indicates limited potential for additional MEC to remain on the surface at Biggs OB Site II. Based on these results and the qualitative MEC hazard evaluation, there is the possibility that human receptors might encounter MEC in the form of unexploded ordnance (UXO) on the surface and in the subsurface at Biggs OB Site II and, therefore, there is the potential for an explosive safety hazard.

ES.5 During the SI, three surface soil samples (plus two field triplicate samples) were collected. In addition, three ambient samples were collected from surface soil, in locations not expected to have been affected by munitions-related activities. The surface soil samples were analyzed for: explosives, using Method SW8330B; aluminum, antimony, copper, lead, and zinc, using Method SW6010C; and PAHs, using Method SW8270D-SIM. Ambient soil samples were analyzed for PAHs only, since a background metals study has been completed for Fort Bliss (Castner Range). The sample collection and analysis achieved the stated goals for the project.

ES.6 Because no explosives were detected in any of the samples and the concentrations of metals and PAHs did not exceed the selected background criteria, there is no evidence of MC contamination in surface soil at the site, and surface human and ecological exposure pathways are incomplete. Therefore, no unacceptable risks to human health or ecological receptors are expected from exposure to surface soil at Biggs OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MEC and MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.

ES.7 Based on the results of this SI, an RI/FS is recommended to further evaluate MEC and MC at the potential disposal features identified at Biggs OB Site II. Since the site is not currently in use and there is restricted access to the area, there is no imminent threat to human health and the environment. For this reason, a TCRA is not recommended at this time. These recommendations and their rationales are summarized in **Table ES-1**.

ES.8 The DQOs for this SI were achieved for both the MEC and MC components of the investigation. Therefore, the data obtained during this SI are considered sufficient to evaluate the presence or absence of MEC and MC contamination at Biggs OB Site II.

Table ES-1
Site Inspection Recommendations
Biggs OB Site II, Fort Bliss, Texas

Site	Recommendation	Rationale
Biggs OB Site II	RI/FS for MEC and MC	• Site was potentially used for munitions disposal, and possible subsurface disposal features were identified, though not confirmed • One MEC item was found on the surface just outside the site boundary • MEC hazard assessment concluded there is the potential for explosive safety hazards on the surface and in subsurface soil at this MRS • Concentrations of MC were not detected above background and human health and ecological screening values in surface soil • The presence of possible subsurface disposal features means a possibility of MC contamination remains in subsurface soil, though this has not been confirmed

CHAPTER 1
INTRODUCTION

1.1 BACKGROUND

1.1.1 The United States (U.S.) Army Environmental Command (USAEC) retained Cape Environmental Management Inc (CAPE) to conduct a Site Inspection (SI) to evaluate the presence or absence of munitions and explosives of concern (MEC) and munitions constituents (MC) contamination at FTBLS-006-R-02, Biggs Open Burn (OB) Site II (hereafter referred to as "OB Site II") at Biggs Army Airfield (BAAF) at Fort Bliss in El Paso, Texas. The CAPE Team, which comprises CAPE and Parsons Government Services, Inc. (Parsons), performed this work consistent with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA), and the National Oil and Hazardous Substances Contingency Plan, with regulatory coordination from the Texas Commission on Environmental Quality (TCEQ).

1.1.2 The Department of Defense (DoD) established the Military Munitions Response Program (MMRP) to address DoD sites suspected of containing unexploded ordnance (UXO), discarded military munitions, and MC located on current and former military installations. USAEC is the agency responsible for this MMRP project.

1.1.3 All work is performed in accordance with the following:

- The Defense Environmental Restoration Program (DERP) statute (10 U.S. Code [USC] 2701, et seq.);
- The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) (42 USC §9601, et seq.);
- Executive Orders 12580 and 13016; and
- The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (40 Code of Federal Regulations Part 300).

1.1.4 While not all MEC and MC constitute CERCLA hazardous substances, pollutants, or contaminants, the DERP statute provides the DoD with the authority to respond to releases of MEC and MC. DoD policy states that such responses shall be conducted in accordance with CERCLA and the NCP.

1.1.5 This report summarizes the work performed during the SI and presents an account of MEC and MC contamination identified at the Biggs OB Site II. This SI is limited exclusively to MEC and MC contamination issues and does not consider other unrelated hazardous and toxic waste concerns. Per Engineering Regulation 200-3-1 guidance for conducting an SI, "The SI is not intended as a full-scale study of the nature

and extent of contamination or explosive hazards" and requires the collection of a sufficient and appropriate amount of information to determine whether response action is warranted.

1.2 PROJECT OBJECTIVES

The overall goal of this project is to obtain acceptance of an SI in compliance with the CERCLA, as amended, and DoD and Army regulations and guidance. The project objectives for the MEC investigation were to obtain data to establish whether possible munitions disposal pits or visual evidence of OB activities are present at the site. The project objectives for the MC investigation were to obtain data to establish if MC contamination is present at the site. The boundary of OB Site II is shown on **Figure 1-1**.

1.3 PROJECT SCOPE

The primary project planning documents used to perform the SI included the Final Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP) and the Performance Work Statement (PWS) (**Appendix A**). The approved UFP-QAPP for OB Site II (CAPE, 2016) was developed based on the PWS and input from the project stakeholders. The approved UFP-QAPP presented the scope for the OB Site II SI, which in general, included:

- Perform digital geophysical mapping (DGM) transect surveys throughout the investigation area along parallel transects spaced at every 10 feet (ft).
- Identify potential disposal features using the data from the DGM surveys. Based on the transect width and spacing, the data would be sufficient to traverse potential disposal features with a minimum radius of 5 feet 100 percent of the time.
- Collect and analyze soil samples for explosives; MC metals (aluminum, antimony, copper, lead, and zinc); and polynuclear aromatic hydrocarbons (PAHs) to evaluate the presence or absence of MC contamination.
- Compare the analytical results with project action limits (PALs), developed based on selected human health and ecological screening values, to determine whether MC contamination is present in the sampled media. Analytes detected at concentrations greater than their respective PALs and background concentrations would be considered contaminants of potential concern (COPCs) and would be retained for further risk assessment evaluation.

Figure 1-1

Site Location Map
Biggs OB Site II
Fort Bliss, Texas

Legend

Site Boundary

N

0 1 2 Miles

U.S. Army
Environmental Command

DESIGNED BY: GP	**Site Inspection Biggs OB Site II, Ft. Bliss, El Paso, Texas**
DRAWN BY: GP	
CHECKED BY: JS	SCALE: As Shown
SUBMITTED BY: JS	DATE: April 2017
FILE: J:\110075\110031 Ft Bliss\GIS\MXD\SI\Figure1-1_Site_Location_Site2.mxd	PAGE NUMBER:

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CHAPTER 2
PROPERTY DESCRIPTION AND HISTORY

2.1 SITE DESCRIPTION

OB Site II is located approximately 600 feet to the northwest of the main BAAF runway (**Figure 2-1**). Based on previous findings, the site is estimated to be approximately 14 acres. The site is fully contained on BAAF property, access is restricted, and the area is secure. There is an access gate to the general area located approximately 1 mile to the west of the site and a dirt road located just north of the runway running parallel with the runway, which allows for access to this site. A confirmed former munitions disposal site, known as "OB/OD Site I," is located 0.9 miles to the south of OB Site II.

2.2 SITE LOCATION AND SETTING

2.2.1 Topography and Vegetation

Topography at the site is relatively flat with low-relief type mounding/undulating topography. The topography at the site ranges from 3,943–3,947 feet above mean sea level. Vegetation, consisting of dessert grasses and herbaceous dessert plants, is sparse across the site.

2.2.2 Climate

The climate near Fort Bliss is arid, and is characterized by clear skies and sunshine throughout the year, high daytime and comfortable nighttime summer temperatures, very low humidity, infrequent rainfall, and a relatively mild winter season. The average annual temperature for the area is about 64 degrees Fahrenheit (°F) and the extremes vary from 108°F to 17°F, with the hottest months typically being June through August. The climatic data collected at El Paso, Texas, for the period between 1963 and 1992 show an average annual precipitation of 8.74 inches, with approximately 68 percent of this precipitation falling from June through October. The wettest months are in the spring and the fall. (engineering-environment Management, Inc., 2007)

2.2.3 Significant and Inhabited Structures

There are no structures within OB Site II. The closest inhabited structures are airfield support buildings located less than 3,000 feet southeast of the site.

2.2.4 Demographics

According to U.S. Census data, El Paso County is 1,015 square miles and had a 2010 population of 800,647 people (U.S. Census Bureau, 2010). The 2010 population density estimate for El Paso County is 790.6 persons per square mile.

2.2.5 Current and Future Land Use

OB Site II is fully contained within the boundaries of BAAF. It is in an industrial use area, just north of the main BAAF runway, though the site has no specific current use. The land use for this area is expected to remain the same in the future.

2.3 SITE OWNERSHIP AND HISTORY

There is very little documentation on the history or activities performed at the investigation site. Based on inference from the history of BAAF, the historical use of the site may date back to the Army during World War II. In September 1947, the property was transferred to the Air Force. In 1948, if in use, activities may have increased when the base was transferred to the U.S. Air Force Strategic Air Command as part of the United States Nuclear Deterrent Force. In 1966, the base was transferred back to the Army. There are no known specific details describing the history of OB Site II.

2.4 SITE OPERATIONS AND WASTE CHARACTERISTICS

2.4.1 According to the 2013 Memorandum to File (Fort Bliss, 2013), the only visual evidence of possible disposal activities at the 14-acre site boundary is a possible pit and a mound. While OB/OD Site I, a confirmed former munitions disposal site located 0.9 miles to the south of OB Site II, was shown on a Historic Engineering Design map of the BAAF vicinity to the north of the airfield, there are no details shown on that map near OB Site II. This raises the possibly that OB Site II was not an established and/or commonly used disposal area.

2.4.2 If this site was used for military OB activities, MEC might be present in surface or subsurface soil. MC, including metals, explosives, and PAHs, might also be present in surface or subsurface soil as a result of OB operations. MEC and MC would most likely be found at disposal locations and in or beneath pits/trenches (if they are present).

2.5 PREVIOUS INVESTIGATIONS

A preliminary evaluation was performed in 2013 at OB/OD Site I and OB Site II. The evaluation resulted in a "Memorandum to File" containing background information and investigative findings for both sites (Fort Bliss, 2013). At OB Site II, only two surface features were noted, including a presumed pit and a mound. No additional evidence of previous munitions-related activities were noted. The evaluation concluded that there was adequate justification to include the site in the MMRP and initiate an investigation through the DERP under the provision of CERCLA (Fort Bliss, 2013). On this basis, an RI was recommended at OB/OD Site I and an SI was recommended at OB Site II. The RI at OB/OD Site I is being conducted separately from this SI.

Figure 2-1

Site Setting
Biggs OB Site II
Fort Bliss, Texas

Legend

- Possible Pit or Trench
- Mound
- Site Boundary

N

0 200 400 Feet

U.S. Army
Environmental Command

DESIGNED BY: GP	**Site Inspection Biggs OB Site II, Ft. Bliss, El Paso, Texas**	
DRAWN BY: GP		
CHECKED BY: JS	SCALE: As Shown	CONTRACT NUMBER:
SUBMITTED BY: JS	DATE: April 2017	PAGE NUMBER:
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CHAPTER 3
SITE INSPECTION TASKS

3.1 CONCEPTUAL SITE MODEL DEVELOPMENT

3.1.1 The conceptual site model (CSM) is a description of a site and its environment that can be used to depict the nature of potential contamination, its location, and the possible interactions of human and environmental receptors with that contamination. The CSM summarizes which potential receptor exposure pathways for MEC and MC are (or may be) complete and which are (and are likely to remain) incomplete. An exposure pathway is considered incomplete unless *all four* of the following elements are present (U.S. Environmental Protection Agency [USEPA], 1989):

- A source of contamination;
- An environmental transport and/or exposure medium;
- A point of exposure at which the contaminant can interact with a receptor; and
- A receptor and a likely route of exposure at the exposure point.

3.1.2 If any single factor was not present, the pathway would be incomplete. An incomplete exposure pathway indicates there are no current means by which a receptor (human or ecological) can be exposed to either MEC or MC. In this case, no hazards or risks from exposure to MEC or MC would be expected. This information can be used to focus the investigation of the site by suggesting which complete or potentially complete exposure pathways need to be evaluated. The CSM is a 'living document' that is based on existing knowledge, and, therefore, can and should be updated throughout the course of the project as more data become available.

3.1.3 For the purposes of this investigation, a preliminary CSM was developed for OB Site II. The preliminary CSM is summarized in **Table 3.1**. This table describes the known or suspected contamination sources, potential/suspected location and distribution of contamination, contamination source or exposure medium, current and future receptors, and potentially complete exposure pathways. The CSM has been revised based on investigation results and Army and stakeholder feedback. This revised CSM is presented in Chapter 5.

3.1.4 Potentially complete exposure pathways are present at the site that might result in industrial workers and site security personnel being exposed to MEC or MC in soil. With regard to MC, the preliminary CSM assumes explosives, MC metals (aluminum, antimony, copper, lead, and zinc), and PAHs are potentially present in surface and subsurface soils at the site. These "preliminary" COPCs are based on the munitions potentially present at the site (explosives and MC metals). PAHs are not MC, but could be present as a result of OB activities.

Table 3-1
Overview of Preliminary Conceptual Site Model
Biggs OB Site II, Fort Bliss, Texas

SITE DETAILS	Known or Suspected Contamination Source(s)	Potential/Suspected Location and Distribution	Source or Exposure Medium	Current and Future Receptors	Potentially Complete Exposure Pathway
NAME: OB SITE II **Acreage**: 14 acres **Suspected Past DoD Activities (*release mechanisms*)**: Possibly munitions disposal by open burning, which might have released MEC (most likely UXO) at disposal features **Current and Future Land Use**: Industrial, and is expected to remain unchanged in the future.	*Munitions and Explosives of Concern* Various munitions, including 20mm and 37mm projectiles, hand grenades, and small-arms ammunition	Potential to find residual MEC/MPPEH in or beneath disposal features	Surface or subsurface soil	*Current and Future*: Industrial workers, site security personnel	Exposure to surface and/or subsurface MEC
	Munitions Constituents in Soil Explosives, metals (aluminum, antimony, copper, lead, and zinc), and PAHs	Potentially present in soil in and beneath disposal features and across the surface of the site.	Surface soil and subsurface soil	*Current and Future*: Industrial workers, site security personnel, ecological	Exposure to MC in soil (incidental ingestion, dermal contact, or inhalation of re-suspended particulates)
	Munitions Constituents in Groundwater NONE	*Not expected*	Groundwater (via leaching from soil)	n/a	NONE

3.1.5 The presumed depth to groundwater at the site is approximately 332 feet below ground surface (bgs) (further discussed in Chapter 5). Because the anticipated COPCs (explosives, metals, and PAHs) are relatively insoluble, it is highly unlikely they would migrate to the deep groundwater at this location, so the ground exposure water pathway is assumed to be incomplete. However, soil samples collected during the investigation will be used to confirm this assumption as discussed in Chapter 5.

3.2 TECHNICAL PROJECT PLANNING

Technical Project Planning meetings were not conducted as part of this effort. However, the UFP-QAPP was offered for stakeholder review, and comments received were addressed. These opportunities allowed for input from the project stakeholders and the opportunity for refinement of the technical approach based on that input.

3.3 NON-MEASUREMENT DATA COLLECTION

The Field Demonstration Report of Incremental Sampling Methodology at Closed Castner Firing Range (URS, 2013), was used to provide background metals concentrations for results comparison.

3.4 GENERAL TECHNICAL APPROACH

This subchapter describes the general sequence of execution and activities that were used to successfully complete field operations during this project. This general technical approach was based on the initial CSM developed for the MRS (Subchapter 3.1). The detailed field procedures used for the activities summarized in the following subchapters are described in the approved UFP-QAPP (CAPE, 2016).

3.4.1 General Approach

3.4.1.1 The primary components of the MEC sampling design for the RI involve DGM surveys as follows:

- Perform 1m-wide DGM transect surveys throughout the investigation area at an approximate transect spacing of 10 feet. Based on the transect width and spacing, the data were sufficient to traverse potential disposal features with a minimum radius of 5 feet 100 percent of the time.
- Use the results of the DGM transect surveys to identify potential disposal features (e.g., pits, trenches) based on analysis of the geophysical anomalies. Potential disposal features would be characterized by areas of elevated anomaly density.

3.4.1.2 The primary component of the MC sampling design for the investigation involves collecting incremental surface soil samples for MC analysis at three 300-foot-by-300-foot sampling units (SUs) distributed across the site.

3.4.2 DGM Surveys

3.4.2.1 Geophysical System Verification and Instrument Verification Strip (IVS). A geophysical system verification process was implemented at Fort Bliss to demonstrate the instrument and data collection strategies selected for the site function as intended for the duration of the field investigation. Within this process, an IVS was used to verify the proper functioning of the EM61-MK2, units used during the project. The IVS is an area containing buried "industry standard objects," or ISOs, that are used to verify that the geophysical instruments are functioning correctly. A "noise strip" was located adjacent to the IVS and was used to determine the background noise level of the survey instruments. The IVS also was used to test the functionality of the analog systems that were used on the project (Schonstedt magnetic locator or equivalent-approved magnetometers).

3.4.2.2 Instrument Verification Strip Letter Report. The results of the initial IVS tests for the EM61-MK2 data evaluations were summarized in separate letter reports, which were provided electronically within one week of completing the initial data acquisition over the IVS. DGM data collection began immediately after the initial IVS surveys. The IVS letter report is included in **Appendix G**.

3.4.2.3 Digital Geophysical Mapping Methods. DGM surveys were conducted along transects in accordance with Parsons standard operating procedures (SOPs). Geophysical data on the transects were collected using a single utility terrain vehicle-towed EM61-MK2. Transect data were positioned using a Real Time Kinematic Global Positioning System (GPS), generally capable of approximately 2cm accuracy. The design transect spacing for EM61-MK2 data was 10 feet. Based on analysis using Visual Sample Plan (VSP) software Version 7.0, this transect spacing is sufficient to traverse potential disposal features with a minimum radius of 5 feet 100 percent of the time. The locations of stakes marking transect endpoints, or other pre-determined points, were measured and recorded using the GPS or standard survey techniques.

3.4.3 Munitions Constituents Sampling

3.4.3.1 Samples for MC analysis were collected from surface soil only. For purposes of this investigation, surface soil is considered to be from 0-6 inches bgs, and subsurface soil is considered to be from deeper than 6 inches bgs. Soil samples were analyzed for explosives, metals (aluminum, antimony, copper, lead, and zinc), and PAHs. PAHs are not MC, but could be present as a result of ordnance disposal activities. These analytes are referred to as "preliminary" COPCs. Soil pH was also analyzed to support any subsequent ecological risk assessment.

3.4.3.2 Surface soil samples (0-6 inches depth) were collected using the incremental sampling method (ISM). Soil samples were analyzed for preliminary COPCs. The dimensions of each incremental sample SU were 300 feet by 300 feet, and each sample consisted of 100 "increments" (i.e., subsamples). The proposed sample locations are shown on **Figure 3-2**. In addition to these surface samples, three incremental samples

were collected and analyzed to establish the anthropogenic background concentrations of PAHs at the site. These locations of the SUs for these samples were discussed with the project team. These samples were used to support both the RI at OB/OD Site I and the SI at OB Site II.

3.5 WORK PLAN

The approved UFP-QAPP (CAPE, 2016) was prepared in accordance with Army and USEPA guidance to ensure that environmental data collected were scientifically sound, of known and documented quality, and suitable for their intended purposes. The plan focused on the site-specific details for the investigation at OB Site II to include investigation methods, general analytical services, data management and validation procedures, and field standard operating procedures. The UFP-QAPP presented the plan for collecting data to support the investigation, and used the "optimized" worksheets published by the Intergovernmental Data Quality Task Force in March 2012.

3.6 DEPARTURES FROM PLANNING DOCUMENTS

There were no departures from the approved UFP-QAPP (CAPE, 2016).

3.7 DATA QUALITY OBJECTIVES

3.7.1 Data quality objectives (DQOs) are qualitative and quantitative statements that specify the quality and level of data required to support the decision-making processes for a project. Guidance for DQO development is contained in *Guidance on Systematic Planning Using the Data Quality Objectives Process* (USEPA QA/G-4), February 2006, USEPA/240/B-06/001.

3.7.2 The overall goal of this project is to obtain acceptance of an SI in compliance with the CERCLA, as amended, and DoD and Army regulations and guidance. Based on this overall goal, the general project DQOs are to obtain data to evaluate the presence or absence of MEC and/or MC contamination at Biggs OB Site II. Specific DQOs have been established for both the MEC and MC investigations, and these are presented in **Table 3-2**. These DQOs follow the USEPA's seven-step, iterative process for DQO development.

Table 3-2
Data Quality Objectives and Technical Approach Summary
Biggs OB Site II, Fort Bliss, Texas

State the Problem	Identify the Goal of the Study	Identify Information Inputs	Define the Boundaries of the Study	Develop the Analytic Approach	Specify Performance or Acceptance Criteria	Develop the Detailed Plan for Obtaining Data
Munitions and Explosives of Concern: It is unknown whether the site was used as an OB area. If it was used for this purpose and MEC remain in the area, then a complete exposure pathway exists, and there is a potential hazard to human health and the environment. Therefore, the presence of disposal features needs to be evaluated to determine whether further investigation is required.	The principal question is "*Is MEC contamination present at the site*?" The possible alternative actions resulting from the principal question are (1) take no further action, or (2) recommend an RI to characterize the nature and extent of the MEC contamination identified. Based on the above, the project decision statement is: *Determine whether MEC requires no further action or a remedial investigation*.	Results of geophysical surveys. Land use and receptors.	Boundaries of Biggs OB Site II defined on **Figure 2-1**. There are no time constraints on data collection.	The parameters used to make conclusions regarding MEC contamination will be the DGM survey results (i.e., presence or absence of potential disposal features [(1)]). The related analytic approach and decision process are summarized in **Figure 3-1**.	Geophysical surveys shall achieve applicable measurement performance criteria (MPC) as stated in the UFP-QAPP and confirmed/modified by IVS Report, unless MPC failures can be adequately explained and/or justified.	Perform DGM surveys throughout the survey footprint along parallel transects at approx. 10-foot spacing (*sufficient to traverse 5-foot radius disposal feature 100% of the time* [(2)]) (**Figure 3-2**). Identify potential disposal features [(1)] using parallel DGM transect data and visual observations.
Munitions Constituents: If the site was used as an OB area, disposal operations or degradation of MEC at disposal features may have resulted in MC being released to environmental media. If MC contamination is present, it may pose a risk to human and ecological receptors.	The principal question is "*Is MC contamination present at the site*?" The possible alternative actions resulting from the principal question are (1) take no further action, or (2) recommend an RI to characterize the nature and extent of the MC contamination identified. Based on the above, the project decision statement is: *Determine whether MC requires no further action or a remedial investigation*.	Results of geophysical surveys. Field sampling data and laboratory analysis results for soil samples. Land use and receptors.	Boundaries of Biggs OB Site II defined on **Figure 2-1**. MC analytes and sample media limited to those listed in preliminary CSM (**Table 3-1**). There are no time constraints on data collection.	The parameters used to make conclusions regarding MC contamination will be the detected concentrations of MC analytes in collected soil samples. The related analytic approach and decision process are summarized in **Figure 3-1**.	Sampling and analysis shall achieve applicable MPC as stated in the UFP-QAPP, unless MPC failures can be adequately explained and/or justified.	Locate three (3) 300-foot-by-300-foot sampling units (SUs) across the site and collect incremental samples for MC analysis (**Figure 3-3**).

(1) For the purposes of this investigation, "potential disposal features" are defined as polygonal geophysical anomalies potentially representing pits or trenches, or visual evidence indicating disposal pits or trenches, including burn pits.
(2) As determined using the VSP software tool.

Figure 3-1 Analytic Approach and Decision Process for Site Inspection at Biggs OB Site II, Fort Bliss, Texas

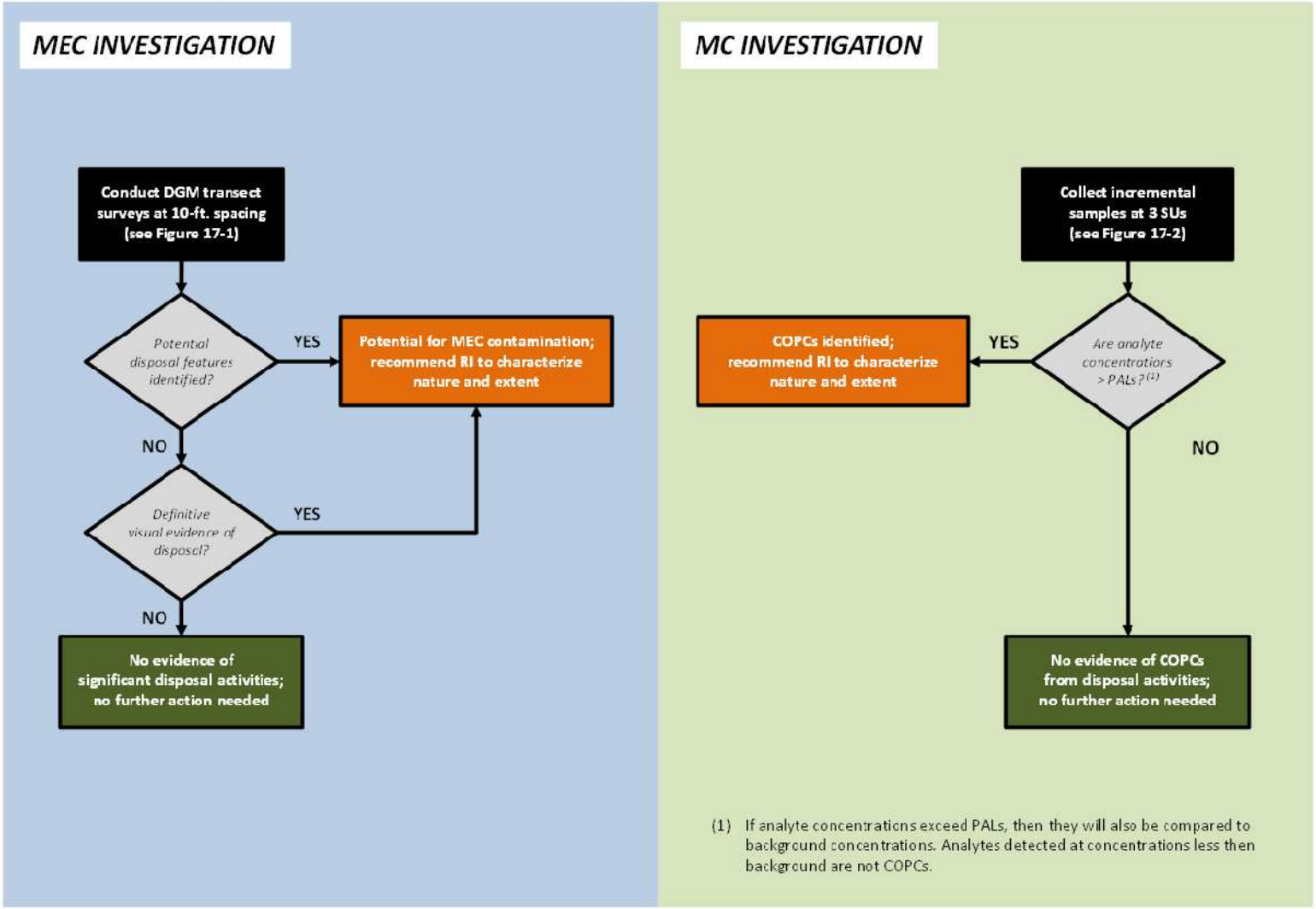
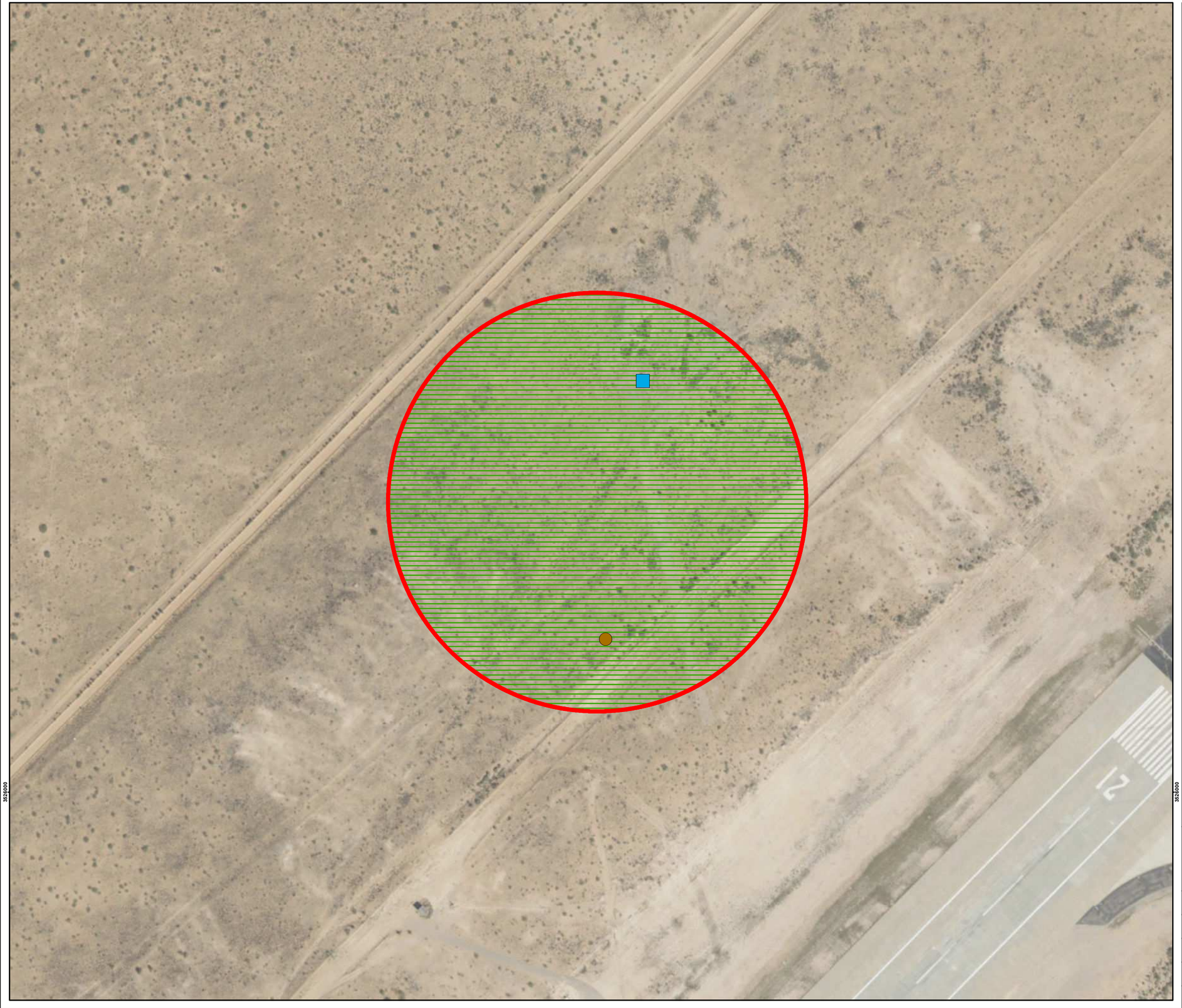


Figure 3-2

MEC Investigation Approach
Biggs OB Site II
Fort Bliss, Texas



Legend

- Possible Pit or Trench
- Mound
- Site Boundary
- 10 ft Spaced Parallel DGM Transect

0 200 400 Feet

N

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DESIGNED BY: GP	**Site Inspection Biggs OB Site II, Ft. Bliss, El Paso, Texas**	
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SUBMITTED BY: JS	DATE: April 2017	PAGE NUMBER:
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Figure 3-3

MC Investigation Approach
Biggs OB Site II
Fort Bliss, Texas

Legend

- Possible Pit or Trench
- Mound
- Site Boundary
- Sampling Unit

0 200 400 Feet

N

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CHAPTER 4
MUNITIONS AND EXPLOSIVES OF CONCERN FINDINGS

4.1 RESULTS AND OBSERVATIONS

4.1.1 Historical Munitions and Explosives of Concern

According to the 2013 Memorandum to File (Fort Bliss, 2013), the only visual evidence of possible disposal activities in the 14-acre site boundary is a possible pit and a mound. While OB/OD Site I, the confirmed former munitions disposal site located 0.9 miles to the south of OB Site II, was shown on an Historic Engineering Design map of the BAAF vicinity to the north of the airfield, there are no details shown on that map near OB Site II. This raises the possibly that OB Site II was not an established and/or commonly used disposal area.

4.1.2 Results of Visual Inspections and Geophysical Surveys

4.1.2.1 The SI field team performed 10 miles of DGM transects to assess the potential presence of MEC contamination at OB Site II. The transects were spaced 10 feet apart and covered the entire site and areas just outside the site boundary. One MEC item, a 40mm projectile, was found on the surface just outside the boundary at the southern edge of the site. OB/OD Site I is a confirmed former MEC disposal site located 0.9 miles to the south of OB Site II. While not certain, it is possible this MEC item might be related to disposal operations at that location or to other operations at Fort Bliss rather than to as yet unconfirmed disposal operations at OB Site II. The MEC item was turned over to Fort Bliss Explosive Ordnance Disposal personnel in accordance with the approved UFP-QAPP. The documentation for this transfer is included in **Appendix B**. No other MEC, MPPEH, or MD were observed during the field effort. Several site features were noted during the DGM surveys, but none were clearly related to munitions use. These features included buried cables, a large pile of aircraft debris, two concrete slabs/structures, and a runway laser tower (**Exhibit 4-1**).

4.1.2.2 DGM data were transferred from the field data logger and processed in accordance with the approved UFP-QAPP. Anomaly selection criteria were based on background levels measured with the EM61-MK2 at the noise strip constructed adjacent to the seeded IVS line. The selection criterion was five times the background value measured at the strip using the sum of the first three time gates measured by the EM61-MK2. Anomalies representing potential disposal features were identified for purposes of making project decisions. In accordance with the approved UFP-QAPP, "potential disposal features" were defined as large anomalies potentially representative of pits, trenches, or other areas where a large quantity of MPPEH/MEC or MD may be indicated by the geophysical data.

Exhibit 4-1: OB Site II Observations – concrete slab (left) and runway laser tower (right)

4.1.2.3 Based on the DGM results, 14 areas with elevated anomaly density were identified at OB Site II. **Figure 4-1** shows the DGM results and locations of these elevated anomaly density areas. These areas are too large to indicate single small geophysical anomalies and indicate larger sources, such as debris pits, metallic infrastructure, and/or utilities. If there is no other visible source of these anomalous areas, these could possibly indicate a subsurface MEC-related disposal feature.

4.2 PRESENCE OF MUNITIONS AND EXPLOSIVES OF CONCERN CONTAMINATION

4.2.1 The possible or confirmed presence or absence of MEC within an MRS can be assessed based on the results of the field investigation, specifically field observations and results of DGM surveys. This information can be used to focus MEC characterization efforts conducted during any future RI/Feasibility Study (FS).

4.2.2 Each of the 14 elevated anomaly density areas at OB Site II was evaluated with respect to the visual observations made. Specifically, the Project Geophysicist compared the geophysical responses to the surface features in the vicinity and used professional judgment to assess whether the anomaly could be a possible subsurface pit or trench. Unless the visual observations indicated non-munitions related material considered by the Geophysicist to be sufficient to be the anomaly source, the anomalous area was assumed to be a potential MEC-related disposal feature. However, it should be noted that none of these features have been confirmed to be munitions-related. The results of this evaluation are shown in **Table 4.1** and on **Figure 4-2**.

Table 4.1 Evaluation of Elevated Anomaly Density Areas at OB Site II

ID	Surface Observations	Potential MEC-related Disposal Feature?	Rationale
1	Pile of construction debris, large concrete structure (9'x15')	No	Non-munitions-related; visible material (debris and concrete structure) is likely source of anomaly
2	No surface observations	**Yes**	No visible rationale for anomaly
3	Communication box, possible subsurface cables	**Yes**	May be caused by non-munitions-related features, but no clear evidence
4	No surface observations	**Yes**	No visible rationale for anomaly
5	Scrap outside boundary, 3'x3'	No	Non-munitions-related; visible material (scrap) is likely source of anomaly
6	Outside of boundary; pile of scrap, 10'x10'	No	Non-munitions-related; visible material (scrap pile) is likely source of anomaly
7	No surface observations	**Yes**	No visible rationale for anomaly
8	Cement circle with pole, 9'x9'	No	Non-munitions-related; visible material (cement and pole) is likely source of anomaly
9	Magnetic marker, nothing else observed on surface	No	Non-munitions-related; visible material (magnetic marker) is likely source of anomaly
10	No surface observations	**Yes**	No visible rationale for anomaly
11	Hill, berm	**Yes**	Possible berm and anomaly may indicate burial feature
12	Wood pile; nails; topography change	No	Non-munitions-related; visible material (wood pile, nails) is likely source of anomaly
13	Glass jar; small banding strips	No	Non-munitions-related; visible material (small banding strips) is likely source of anomaly
14	Aircraft wreckage; glass	No	Non-munitions-related; visible material (aircraft debris) is likely source of anomaly

4.2.3 As shown in **Table 4.1**, the Project Geophysicist considered six of the 14 subsurface features observed in the data to be possible MEC-related disposal features (i.e., anomalies possibly indicative of pits or trenches). Note that these are only possible disposal features, and they are not confirmed to be MEC-related; however, there is currently insufficient evidence to link these features to non-MEC-related sources so the potential for MEC contamination must be assumed in subsurface soil in accordance with the approved DQOs (**Table 3-2** and **Figure 3-1**). The results of this assessment and the locations of these possible MEC-related disposal features can be used to focus future MEC characterization efforts at OB Site II.

4.2.4 In addition to the possible MEC-related disposal features described above, the presence of the MEC item found on the surface just outside the site boundary indicates

some potential for MEC to be on the surface at the site. However, it should be noted no other MEC, MPPEH, or MD were observed during the field investigation. Because no MPPEH or MD were observed, and only one MEC item was found despite the large area of the site covered during the DGM data collection, the potential for finding additional MEC items on the surface at OB Site II is considered to be low. It is possible this MEC item might be related to disposal operations at OB/OD Site I, which is located 0.9 miles to the south, or to other activities at Fort Bliss rather than to as yet unconfirmed disposal operations at OB Site II.

4.2.5 The revised CSM based on these results is described in Subchapter 5.5.

Figure 4-1

Transect Locations and DGM Results
Biggs OB Site II
Fort Bliss, Texas

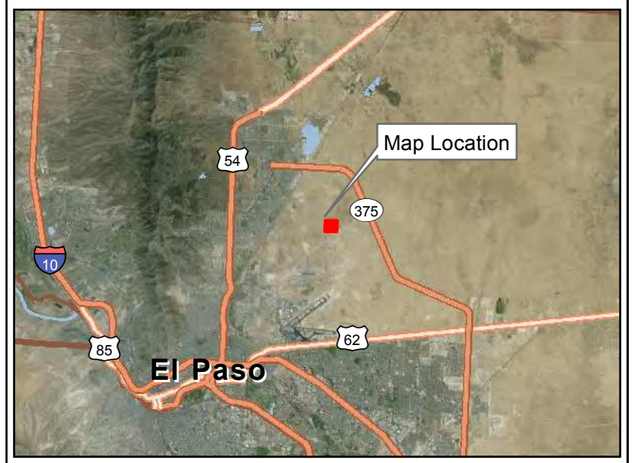
Legend

- Site Boundary
- MEC Finding
- High Anomaly Density Area

DGM Transects with Anomaly Density

-5 -4 -3 -2 -1 0 1 2 2 3 4 5 5 6 7 8 8 9

Sum Channels 1-3
(mV)



0 100 200 Feet

N

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SUBMITTED BY: JS	DATE: June 2017	PAGE NUMBER:
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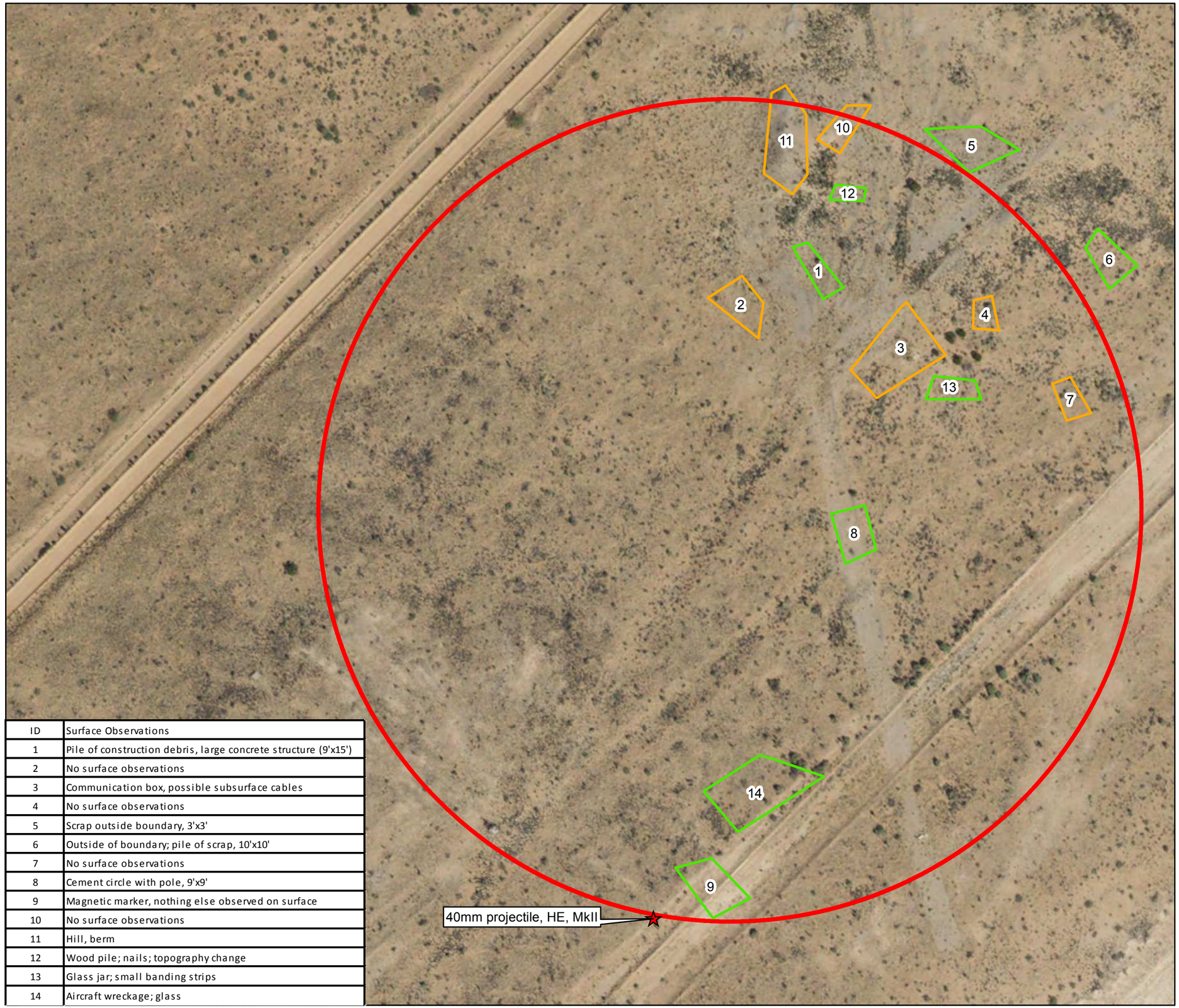
Figure 4-2

MEC Investigation Results
Biggs OB Site II
Fort Bliss, Texas



Legend

- Site Boundary
- Not Munitions-Related
- Potential MEC-Related Disposal Feature
- MEC Finding

N

0 100 200 Feet

ID	Surface Observations
1	Pile of construction debris, large concrete structure (9'x15')
2	No surface observations
3	Communication box, possible subsurface cables
4	No surface observations
5	Scrap outside boundary, 3'x3'
6	Outside of boundary; pile of scrap, 10'x10'
7	No surface observations
8	Cement circle with pole, 9'x9'
9	Magnetic marker, nothing else observed on surface
10	No surface observations
11	Hill, berm
12	Wood pile; nails; topography change
13	Glass jar; small banding strips
14	Aircraft wreckage; glass

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CHAPTER 5
MUNITIONS CONSTITUENTS EXPOSURE PATHWAYS AND RECEPTORS

5.1 INTRODUCTION

5.1.1 This chapter of the SI report evaluates the potential presence or absence of exposure pathways and receptors, based on site-specific conditions. It is necessary to evaluate site-specific conditions and land use to evaluate risks posed to potential receptors under current and future land use scenarios. Exposure pathways for groundwater, surface water and sediment, soil, and air are evaluated. The CSM for Biggs OB Site II (**Appendix H**) summarizes which potential receptor exposure pathways are (or may be) complete and which are (and are likely to remain) incomplete. An exposure pathway is not considered complete unless all four of the following factors (shown in *italics*) are present (USEPA, 1989). An example regarding a hypothetical groundwater exposure pathway is included.

- *A source and mechanism for contaminant release.* For example, a site has known MEC, from which MC have leached and have contaminated surface soil.
- *An environmental transport and/or exposure medium*. In the example, the MC in soil are mobile and can contaminate groundwater.
- *A point of exposure at which the contaminant can interact with a receptor.* A well drawing from the contaminated aquifer is located at the MRS.
- *A receptor and a likely route of exposure at the exposure point.* A resident uses groundwater from the on-site well as a source of drinking water.

5.1.2 In the hypothetical example above, all four factors are present. Therefore, the groundwater exposure pathway is complete. If any single factor was not present (for example, if MC were not present in soil, or if the resident obtained drinking water from another source), the pathway would be incomplete.

5.1.3 This chapter presents the information required to evaluate whether exposure pathways at the site are complete. It also identifies those MC that require further consideration in a screening level risk assessment (SLRA). Chapter 6 assesses the potential significance of complete pathways (such as whether there is an unacceptable risk).

5.2 GENERAL INFORMATION

General information regarding the geology, hydrogeology, and hydrology of Fort Bliss presented below was obtained from a variety of sources, as noted in Chapter 3. Regional

information is followed by a discussion of MRS-specific characteristics and sampling results collected as part of the SI.

5.2.1 Regional Geologic Setting

5.2.1.1 Geographically, the site is located within the Hueco Bolson geographic basin, just east of the Franklin Mountains. The Hueco Bolson, which is composed of basin-fill deposits of silt, sand, gravel, and clay, has a maximum thickness of 9,000 feet in some areas. The surface geology at the site consists of Young Quaternary deposits.

5.2.1.2 The boundary of the BAAF, including OB Site II, is composed of the Hueco-Wink association soils. This soil association is characterized by nearly level and gently sloping soils having a fine sandy loam subsoil and are moderately deep over caliche (SCS, 1971). The individual soils represented include the Hueco loamy fine sand, with 1 to 3 percent slopes, and Cavalry loamy fine sand, with 1 to 3 percent slopes (NRCS, 2015).

5.2.2 Regional Hydrogeologic Setting

5.2.2.1 Groundwater below the site is part of the Hueco Bolson Aquifer (Texas Water Development Board [TWDB], 2015a). The upper portion of the Hueco Bolson contains fresh to saline water, ranging from less than 1,000 to 3,000 milligrams per liter of total dissolved solids. The Hueco Bolson is the principal aquifer for the El Paso area and the Ciudad Juarez area. Water levels are on the decline due to municipal pumping in the Hueco Bolson up to the 1980s (TWDB, 1987). Recharge to the Hueco Bolson occurs along the mountains bordering the bolson, and at times locally along the Rio Grande. While the natural groundwater flow was from the areas of recharge to points of discharge, the declining water levels and pumping have changed the direction and rate of flow over the years to the centers of pumping.

5.2.2.2 There is one TWDB well located approximately three miles to the northwest of OB Site II, completed within the Hueco-Mesilla Aquifer. Transposing this groundwater level to below the topographic surface of OB Site II (~3,945 feet [ft.] elevation), the estimated groundwater level below the site is approximately 347 ft. bgs (TWDB, 2015b).

5.2.3 Groundwater Use

No wells are located within OB Site II. Thirty-nine deep wells from the Hueco Bolson Aquifer provide most of the water used at Fort Bliss. The fresh water aquifers in the Hueco Bolson are of very high quality and require only chlorination. Chemical analyses showed that the total dissolved solids, chloride, sulfate, and nitrate concentrations do not meet state or federal standards (engineering-environment Management, Inc., 2007).

5.2.4 Regional Hydrologic Setting

No surface water is present at the site or in the vicinity.

5.2.5 Regional Sensitive Ecological Resources

There are a number of threatened and endangered species that occur or have the potential to occur on Fort Bliss. Six species are listed as threatened or endangered by the United States Fish and Wildlife Service and the states of New Mexico and Texas. Of the six species listed, only one species, the Sneed pincushion cactus (*Escobaria [Coryphantha] sneedii*), is both federally and state endangered, and is found on Fort Bliss year-round. One federally and state threatened species is the bald eagle (*Haliaeetus leucocephalus*), which is a seasonal resident. The northern aplomado falcon (*Falco femoralis septentrionalis*), which is both federally and state endangered, has been sighted at Fort Bliss. Habitat for the remaining three listed species, the federally and state endangered interior least tern (*Sterna antillarum*), the southwest willow flycatcher (*Empidonax traillii extimus*), and the federally threatened Mexican spotted owl (*Strix occidentalis lucida*) do not exist or are of an insufficient amount to maintain a population. These species have passed, or may pass, through portions of Fort Bliss (engineering-environment Management, Inc., 2007).

5.2.6 Sample Locations and Methods

5.2.6.1 Field sampling was conducted on March 15 and 16 and on April 5, 2017. During the SI, three surface soil samples (plus two field triplicate samples) were collected. In addition, three ambient samples were collected from surface soil, in locations not expected to have been affected by munitions-related activities. **Figure 5-1** shows the sample locations. The surface soil samples were collected using ISM. The dimensions of each incremental sample SU was 300 feet by 300 feet, and each sample consisted of 100 "increments" (i.e., subsamples), which resulted in a target mass of 1-2 kg for each sample.

5.2.6.2 The ISM sampling method was determined to provide a more accurate measure of the mean concentration of contaminants in a given volume of soil (the sampling unit, or SU) by providing reproducible, scientifically defensible data. ISM sampling involves defining one or more SUs to be sampled within an area, from which multiple "sample increments" are collected and composited into a single "incremental sample" for each SU. The process for collecting incremental samples involves designating the incremental sample collection grid, determining the sampling interval, selecting the sample collection origin, and collecting the sample increments.

5.2.6.3 The biased sample locations were selected to represent areas with the highest likelihood for the presence of MC contamination (per the approved UFP-QAPP [CAPE, 2016]). The sample locations were screened for potential subsurface anomalies and approved by a UXO Technician III using a magnetometer prior to final location selection and sample collection. The instrument underwent quality control (QC) and battery checks each day of use to confirm that it was working properly.

5.2.6.4 All samples were shipped to and analyzed by Accutest Laboratories-SE in Orlando, Florida. The surface soil samples were analyzed for: explosives using Method

SW8330B; aluminum, antimony, copper, lead, and zinc using Method SW6010C; and PAHs using Method SW8270D-SIM. Ambient soil samples were analyzed for PAHs only, since a background metals study has been completed for Fort Bliss (Castner Range).

5.2.6.5 Accutest-SE is accredited under the State of Florida, acceding authority for the National Environmental Laboratory Accreditation Program and the DoD Environmental Laboratory Accreditation Program. The laboratory submitted the soil chemical data to Parsons under Sample Delivery Group numbers FA42100, FA42152, and FA42817. The analytical data are presented in **Table 5-1** and **Appendix D**. Parsons validated and assessed the data in accordance with the approved UFP-QAPP for this SI (CAPE, 2016). Data validation determined that the laboratory correctly performed the analyses, and that no data were rejected. The data validation summary report is presented in **Appendix E**.

Table 5-1
Soil Analytical Results
Biggs OB Site II, Fort Bliss, Texas

SITE:		Ambient Location					Biggs OB Site II									
LOCATION:		OBOD1-AU01			OBOD1-AU02	OBOD1-AU03	OB2-SU01						OB2-SU02		OB2-SU03	
SAMPLE ID:		OBOD1-AU01-SS-01*	OBOD1-AU01-SS-02*	OBOD1-AU01-SS-03*	OBOD1-AU02-SS-01	OBOD1-AU03-SS-01	OB2-SU01-SS-01*	OB2-SU01-SS-01*	OB2-SU01-SS-02*	OB2-SU01-SS-02*	OB2-SU01-SS-03*	OB2-SU01-SS-03*	OB2-SU02-SS-01	OB2-SU02-SS-01	OB2-SU03-SS-01	OB2-SU03-SS-01
DATE SAMPLED:		03/15/2017	03/15/2017	03/15/2017	03/15/2017	03/15/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017
LAB SAMPLE ID:		FA42100-1	FA42100-2	FA42100-3	FA42100-4	FA42100-5	FA42152-4	FA42817-1	FA42152-5	FA42817-2	FA42152-6	FA42817-3	FA42152-7	FA42817-4	FA42152-8	FA42817-5
SAMPLE DEPTH (ft bgs):		0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
	Units															
Polynuclear Aromatic Hydrocarbons - SW8270D-SIM																
1-Methylnaphthalene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
2-Methylnaphthalene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Acenaphthene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Acenaphthylene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Anthracene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Benzo(a)anthracene	mg/Kg	**0.0034 J**	0.0066 U	0.0065 U	0.0068 U	**0.0045 J**	**0.0035 J**	--	0.0067 U	--	0.0067 U	--	**0.0035 J**	--	**0.0034 J**	--
Benzo(a)pyrene	mg/Kg	**0.0047 J**	**0.0051 J**	0.0065 U	0.0068 U	**0.0056 J**	**0.0046 J**	--	**0.0042 J**	--	**0.0038 J**	--	**0.0045 J**	--	**0.0057 J**	--
Benzo(b)fluoranthene	mg/Kg	**0.0084 J**	**0.0098 J**	**0.0060 J**	**0.0058 J**	**0.010 J**	**0.0080 J**	--	**0.0073 J**	--	**0.0066 J**	--	**0.0083 J**	--	**0.010 J**	--
Benzo(g,h,i)perylene	mg/Kg	**0.0042 J**	**0.0054 J**	0.0065 U	0.0068 U	**0.0051 J**	**0.0043 J**	--	**0.0036 J**	--	**0.0034 J**	--	**0.0047 J**	--	**0.0052 J**	--
Benzo(k)fluoranthene	mg/Kg	0.0068 U	0.0066 U	0.0065 U	0.0068 U	**0.0038 J**	0.0066 U	--	0.0067 U	--	0.0067 U	--	0.0066 U	--	**0.0033 J**	--
Chrysene	mg/Kg	**0.0056 J**	**0.0063 J**	**0.0038 J**	**0.0038 J**	**0.0065 J**	**0.0055 J**	--	**0.0046 J**	--	**0.0045 J**	--	**0.0054 J**	--	**0.0066 J**	--
Dibenz(a,h)anthracene	mg/Kg	0.0068 U	0.0066 U	0.0065 U	0.0068 UJ	0.0068 U	0.0066 U	--	0.0067 U	--	0.0067 U	--	0.0066 U	--	0.0067 U	--
Fluoranthene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Fluorene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Indeno(1,2,3-cd)pyrene	mg/Kg	**0.0041 J**	**0.0055 J**	0.0065 U	0.0068 U	**0.0053 J**	**0.0048 J**	--	**0.0036 J**	--	**0.0037 J**	--	**0.0051 J**	--	**0.0057 J**	--
Naphthalene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Phenanthrene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Pyrene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 UJ	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Explosives - SW8330B																
1,3,5-Trinitrobenzene	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
1,3-Dinitrobenzene	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
2,4,6-Trinitrotoluene (TNT)	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 UJ
2,4-Dinitrotoluene	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
2,6-Dinitrotoluene	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
2-Amino-4,6-dinitrotoluene	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
2-Nitrotoluene	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
3-Nitrotoluene	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
4-Amino-2,6-dinitrotoluene	mg/Kg	--	--	--	--	--	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ
4-Nitrotoluene	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	mg/Kg	--	--	--	--	--	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ
Nitrobenzene	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
Nitroglycerin	mg/Kg	--	--	--	--	--	--	0.50 U	--	0.50 U	--	0.50 U	--	0.50 U	--	0.50 UJ
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	mg/Kg	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
Pentaerythritol Tetranitrate (PETN)	mg/Kg	--	--	--	--	--	--	0.50 U	--	0.50 U	--	0.50 U	--	0.50 U	--	0.50 U
Metals - SW6010C																
Aluminum	mg/Kg	--	--	--	--	--	--	**5,420**	--	**5,420**	--	**4,850**	--	**5,080**	--	**4,650 J**
Antimony	mg/Kg	--	--	--	--	--	--	**0.098 J**	--	0.24 U	--	0.17 U	--	0.18 U	--	**0.066 J**
Copper	mg/Kg	--	--	--	--	--	--	**8.7**	--	**8.3**	--	**7.5**	--	**7.6**	--	**6.8**
Lead	mg/Kg	--	--	--	--	--	--	**12.4**	--	**12.1**	--	**12.2**	--	**12.3**	--	**10.4**
Zinc	mg/Kg	--	--	--	--	--	--	**21.5**	--	**21.4**	--	**18.6**	--	**18.7**	--	**17.2**
pH - SW9045D																
pH	pH units	--	--	--	--	--	--	**7.64**	--	**7.53**	--	**7.73**	--	**7.84**	--	**7.51**

QA NOTES AND DATA QUALIFIERS:

(NO CODE) - Confirmed identification.
U - Analyte was analyzed for but not detected above the reported limit of detection (LOD).
UJ - Analyte not detected, reported LOD may be inaccurate or imprecise.
J - Analyte detected, estimated concentration.
* - Field triplicate sample.
-- - Sample not tested for this analyte.
Detections are bolded.

NOTES:

mg/kg - milligrams per kilogram.

ft bgs -feet below ground surface.

5.2.7 Background Criteria

5.2.7.1 Metals background concentrations for Fort Bliss were established using samples collected using the Incremental Sampling Method and presented in *Field Demonstration Report of Incremental Sampling Methodology at Closed Castner Firing Range, June 2013* (URS, 2013). The referenced investigation identified the Upper Prediction Limit of the background data set as the threshold value to be used for comparison purposes. These values are presented in **Table 5-2**. Three incremental samples were collected and analyzed to establish the anthropogenic background concentrations of PAHs at the site. The locations of the SUs for these samples were discussed with the project team.

5.2.7.2 No MEC or MD were observed near the ambient sample locations, suggesting that the sample locations were likely representative of naturally occurring soil in the area. The selected background criteria established for this site are summarized in **Table 5-3** (PAHs in surface soil). These criteria are used to evaluate whether evidence of a release of MC is present (Subchapter 5.2.9). If there is an observed release of these analytes, those analytes will be considered further in the SLRA in Chapter 6.

Table 5-2
Background Concentrations for Metals in Soil
Biggs OB Site II, Fort Bliss, Texas

Analyte	CAS Number	Background Value (mg/kg)*
Aluminum	7429-90-5	8,630
Antimony	7440-36-0	0.354
Copper	7440-50-8	19.9
Lead	7439-92-1	20.83
Zinc	7440-66-6	40.4

* Upper Prediction Limit of background data set from Field Demonstration Report of Incremental Sampling Methodology at Closed Castner Firing Range, June 2013, Table 5-3.

Table 5-3
Background Concentrations for Polynuclear Aromatic Hydrocarbons in Surface Soil
Biggs OB Site II, Fort Bliss, Texas

Analyte	Units	Background Value
1-Methylnaphthalene	mg/kg	ND
2-Methylnaphthalene	mg/kg	ND
Acenaphthene	mg/kg	ND
Acenaphthylene	mg/kg	ND
Anthracene	mg/kg	ND
Benzo(a)anthracene	mg/kg	0.00635
Benzo(a)pyrene	mg/kg	0.00627
Benzo(b)fluoranthene	mg/kg	0.0121
Benzo(g,h,i)perylene	mg/kg	0.00647
Benzo(k)fluoranthene	mg/kg	ND
Chrysene	mg/kg	0.00791
Dibenz(a,h)anthracene	mg/kg	ND
Fluoranthene	mg/kg	ND
Fluorene	mg/kg	ND
Indeno(1,2,3-cd)pyrene	mg/kg	0.00687
Naphthalene	mg/kg	ND
Phenanthrene	mg/kg	ND
Pyrene	mg/kg	ND

Notes:

mg/kg = milligram per kilogram
ND – Not detected.

5.2.8 Selection of Project Action Limits

The Project Action Limits (PALs) for this project are the most conservative screening value from the applicable Human Health Screening Values for residential soil and protection of groundwater, and Ecological Screening Values. The Human Health Screening Values were selected from the TCEQ Texas Risk Reduction Program (TRRP), Tier 1 Protective Concentration Levels (PCLs) for residential soil, 30-acre source area for direct contact ($^{Tot}Soil_{Comb}$) and protection of groundwater ($^{GW}Soil_{Ing}$). Ecological Screening Values from the ecological benchmarks from TCEQ Ecological Risk Assessment Program, *Conducting Ecological Risk Assessments at Remediation Sites in Texas*, January 2014. If an ecological screening value is not available, ecological screening values obtained from the Los Alamos National Laboratory (LANL) EcoRisk Database, Release 3.2, October 2014, are used.

5.2.9 Establishing Chemicals of Potential Concern

5.2.9.1 As explained in Subchapter 5.1, an exposure pathway is not considered to be complete unless MC have been released to environmental media. To make this determination, as described in the approved UFP-QAPP (CAPE, 2016), analytes that are detected at concentrations greater than PALs will be compared to background concentrations to determine if the measured concentrations are evidence of a release, or are consistent with naturally occurring concentrations. If an analyte is detected at concentrations greater than PALs and established background values, it will be considered a COPC.

5.2.9.2 Each of the MC analyzed was evaluated using these criteria to determine whether MC have been released at OB Site II. Only analytes that meet the conditions noted above are evaluated further in the SLRA in Chapter 6. PAHs are not MC, but they are included on the list because the munitions-related burning and detonation activities that occurred at the project site could have resulted in the release of these analytes.

5.2.9.3 In some cases, the limit of quantitation (LOQ) is greater than the screening value. This is common in some analyses due to sample preparation and analytical limitations. This could lead to a situation where the analyte is present at a concentration greater than the screening value, but is reported as "not detected or estimated," leading to a potential underestimate of risk. In such a case, the data will be considered usable for determining nature and extent, and for evaluating risk. Analytes that are not detected will not be considered COPCs.

Table 5-4
Source of Project Action Limits for Metals in Soil, Biggs OB Site II, Fort Bliss, Texas

Analyte	CAS Number	Human Health Screening Values (mg/kg) [1]		Ecological Screening Values [2] (mg/kg)	LOQ (mg/kg)	Project Action Limit (mg/kg) [3]
		Residential Soil Tier 1 PCL ($^{Tot}Soil_{comb}$)	Protection of Groundwater Tier 1 PCL ($^{GW}Soil_{Ing}$)			
Aluminum	7429-90-5	64,000	86,000	-- [4]	10	**64,000**
Antimony	7440-36-0	15	2.7	5	1.0	**2.7**
Copper	7440-50-8	1300	520	70	1.3	**70**
Lead	7439-92-1	500	1.5	120	1.0	**1.5**
Zinc	7440-66-6	9,900	1,200	120	1.0	**120**

(1) TCEQ, TRRP. The TRRP Tier 1 PCLs for residential soil, 30-acre source area, Table 1 (http://www.tceq.state.tx.us/remediation/trrp/trrppcls.html).

(2) TCEQ Ecological Risk Assessment Program, Draft: Conducting Ecological Risk Assessments at Remediation Sites in Texas, Table 3.4. Used lowest value of earthworm and plant. Revised Jan 2014. Regulatory guidance (RG) -263 (https://www.tceq.texas.gov/assets/public/remediation/trrp/rg263-draft.pdf).

(3) The PALs for this project were selected as the most conservative screening value using the applicable Human Health Screening Values for residential soil and protection of groundwater, and Ecological Screening Values. If the PAL would be less than the LOQ, then the LOQ is used as the PAL. This is consistent with TRRP.

(4) Not available from TCEQ Ecological Risk Assessment Program, Draft: Conducting Ecological Risk Assessments at Remediation Sites in Texas, Table 3.4. USEPA's EcoSSL for Aluminum, November 2003 (http://www.epa.gov/ecotox/ecossl/pdf/eco-ssl_aluminum.pdf) indicates that aluminum will only pose a risk to ecological receptors when soil pH is less than 5.5. At this time, it is not anticipated that site pH will be less than 5.5. If site pH is found to be less than 5.5, then the potential ecological effects of aluminum will be evaluated.

Notes:

mg/kg = milligrams per kilogram

$^{Tot}Soil_{Comb}$ = Total Soil Combined, which includes inhalation, ingestion, dermal contact, and vegetable consumption pathways

$^{GW}Soil_{Ing}$ = Soil-to-groundwater leaching of chemicals of concern (COCs) to Class 1 and Class 2 groundwater

Table 5-5
Source of Project Action Limits for Explosives in Soil, Biggs OB Site II, Fort Bliss, Texas

Analyte	CAS Number	Human Health Screening Values (mg/kg) [1]		Ecological Screening Values [2] (mg/kg)	LOQ (mg/kg)		Project Action Limit (mg/kg) [3]
		Residential Soil Tier 1 PCL ($^{Tot}Soil_{comb}$)	Protection of Groundwater Tier 1 PCL ($^{GW}Soil_{Ing}$)		Method SW 846 8330B	Method SW 846 8330A	
2-Amino-4,6-dinitrotoluene	35572-78-2	11	0.05	14 [4]	0.10	0.20	**0.10/0.20**
4-Amino-2,6-dinitrotoluene	19406-51-0	11	0.033	12 [4]	0.10	0.20	**0.10/0.20**
1,3-Dinitrobenzene	99-65-0	6.7	0.0038	0.073 [4]	0.10	0.20	**0.10/0.20**
2,4-Dinitrotoluene	121-14-2	6.9	0.0027	6 [4]	0.10	0.20	**0.10/0.20**
2,6-Dinitrotoluene	606-20-2	6.9	0.0024	4.1 [4]	0.10	0.20	**0.10/0.20**
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	43	0.018	2.3 [4]	0.10	0.20	**0.10/0.20**
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	479-45-8	150	0.28	1.5 [4]	0.10	0.20	**0.28**
Nitrobenzene	98-95-3	34	0.18	40	0.10	0.20	**0.18/0.20**
Nitroglycerin	55-63-0	6.7	0.0069	13 [4]	1.0	2.0	**1.0/2.0**
2-Nitrotoluene	88-72-2	21	0.016	9.9 [4]	0.10	0.20	**0.10/0.20**
3-Nitrotoluene	99-08-1	670	0.92	12 [4]	0.10	0.20	**0.92**
4-Nitrotoluene	99-99-0	270	0.22	22 [4]	0.10	0.20	**0.22**
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	1,600	1.2	16 [4]	0.10	0.20	**1.2**
Pentaerythritol tetranitrate (PETN)	78-11-5	130	6.2	100 [4]	1.0	2.0	**6.2**
1,3,5-Trinitrobenzene	99-35-4	2,000	0.91	10 [4]	0.10	0.20	**0.91**
2,4,6-Trinitrotoluene	118-96-7	33	0.086	7.6 [4]	0.10	0.20	**0.10/0.20**

(1) TCEQ, TRRP. The TRRP Tier 1 PCLs for residential soil, 30-acre source area, Table 1 (http://www.tceq.state.tx.us/remediation/trrp/trrppcls.html).

(2) TCEQ Ecological Risk Assessment Program, Draft: Conducting Ecological Risk Assessments at Remediation Sites in Texas, Table 3.4. Used lowest value of earthworm and plant. Revised Jan 2014. RG-263 (https://www.tceq.texas.gov/assets/public/remediation/trrp/rg263-draft.pdf).

(3) The PALs for this project were selected as the most conservative screening value using the applicable Human Health Screening Values for residential soil and protection of groundwater, and Ecological Screening Values. If the PAL would be less than the LOQ, then the LOQ is used as the PAL. This is consistent with TRRP.

(4) Not available from primary source. Used LANL EcoRisk Database, Release 3.2, October 2014 (http://www.lanl.gov/community-environment/environmental-stewardship/protection/eco-risk-assessment.php).

Notes:

mg/kg = milligrams per kilogram

$^{Tot}Soil_{Comb}$ = Total Soil Combined, which includes inhalation, ingestion, dermal contact, and vegetable consumption pathways

$^{GW}Soil_{Ing}$ = Soil-to-groundwater leaching of COCs to Class 1 and Class 2 groundwater

Table 5-6
Source of Project Action Limits for PAHs in Soil, Biggs OB Site II, Fort Bliss, Texas

Analyte	CAS Number	Human Health Screening Values (mg/kg) [1]		Ecological Screening Values [2] (mg/kg)	LOQ (mg/kg)	Project Action Limit (mg/kg) [3]
		Residential Soil Tier 1 PCL ($^{Tot}Soil_{comb}$)	Protection of Groundwater Tier 1 PCL ($^{GW}Soil_{Ing}$)			
Acenaphthene	83-32-9	3,000	120	20	0.13	**20**
Acenaphthylene	208-96-8	3,800	200	120 [4]	0.13	**120**
Anthracene	120-12-7	18,000	3,400	6.8 [4]	0.13	**6.8**
Benzo(a)anthracene	56-55-3	5.6	8.9	0.8 [4]	0.027	**0.8**
Benzo(a)pyrene	50-32-8	0.56	3.8	53 [4]	0.027	**0.56**
Benzo(b)fluoranthene	205-99-2	5.7	30	18 [4]	0.027	**5.7**
Benzo(g,h,i)perylene	191-24-2	1,800	57,000	24 [4]	0.027	**24**
Benzo(k)fluoranthene	207-08-9	57	310	62 [4]	0.027	**57**
Chrysene	218-01-9	560	770	2.4 [4]	0.027	**2.4**
Dibenzo(a,h)anthracene	53-70-3	0.55	4.8	12 [4]	0.027	**0.55**
Fluoranthene	206-44-0	2,300	960	10 [4]	0.13	**10**
Fluorene	86-73-7	2,300	150	30	0.13	**30**
Indeno(1,2,3-cd)pyrene	193-39-5	5.7	87	62 [4]	0.027	**5.7**
1-Methylnaphthalene	90-12-0	150	1.5	--	0.13	**1.5**
2-Methylnaphthalene	91-57-6	250	8.5	16 [4]	0.13	**8.5**
Naphthalene	91-20-3	220	16	1 [4]	0.13	**1**
Phenanthrene	85-01-8	1,700	210	5.5 [4]	0.13	**5.5**
Pyrene	129-00-0	1,700	560	10 [4]	0.13	**10**

(1) TCEQ, TRRP. The TRRP Tier 1 PCLs for residential soil, 30-acre source area, Table 1 (http://www.tceq.state.tx.us/remediation/trrp/trrppcls.html).

(2) TCEQ Ecological Risk Assessment Program, Draft: Conducting Ecological Risk Assessments at Remediation Sites in Texas, Table 3.4. Used lowest value of earthworm and plant. Revised Jan 2014. RG-263 (https://www.tceq.texas.gov/assets/public/remediation/trrp/rg263-draft.pdf).

(3) The PALs for this project were selected as the most conservative screening value using the applicable Human Health Screening Values for residential soil and protection of groundwater, and Ecological Screening Values. If the PAL would be less than the LOQ, then the LOQ is used as the PAL. This is consistent with TRRP.

(4) Not available from primary source. Used LANL EcoRisk Database, Release 3.2, October 2014 (http://www.lanl.gov/community-environment/environmental-stewardship/protection/eco-risk-assessment.php).

Notes:

mg/kg = milligrams per kilogram

$^{Tot}Soil_{Comb}$ = Total Soil Combined, which includes inhalation, ingestion, dermal contact, and vegetable consumption pathways

$^{GW}Soil_{Ing}$ = Soil-to-groundwater leaching of COCs to Class 1 and Class 2 groundwater

5.3 EVALUATION OF EXPOSURE PATHWAYS FOR MUNITIONS CONSTITUENTS

This subchapter of the SI Report evaluates exposure pathways specifically for OB Site II. The setting of the overall site is described in Subchapters 5.2.1 through 5.2.5. The analysis of each medium (groundwater, surface water/sediment, soil, and air) is described in detail. The related CSM pathway flow diagram is provided in **Appendix H** and outlined in **Table 5-8**.

5.3.1 Historical Munitions Constituents Information

Prior to this SI, there have been no data to indicate that munitions-related activities at the site have resulted in a release of MC to environmental media.

5.3.2 Groundwater Exposure Pathway

Based on current and future land use, potential receptors that may be present at the MRS include: industrial workers, site security personnel, and ecological receptors. However, no groundwater wells are located at OB Site II. Exposure pathways are incomplete for all site receptors. The groundwater pathway is also incomplete for ecological receptors, since ecological receptors are not typically exposed to groundwater.

5.3.3 Surface Water and Sediment Exposure Pathway

Surface water can serve as a contaminant transport mechanism that may affect surface water bodies, sediment, drinking water supplies, vegetation, and sensitive environments such as wetlands. The likelihood of exposure is influenced by such factors as the mass and concentration of MC in the soil at the ground surface that can be transported to surface water and sediment through runoff and erosion. Surface water and sediment are not present at OB Site II. Therefore, surface water and sediment exposure pathways are incomplete for all site receptors.

5.3.4 Soil Exposure Pathway

Potential soil exposure pathways include: incidental ingestion, dermal contact, and inhalation of dust and volatiles by human and ecological receptors. Contamination in soil can also leach to groundwater and migrate to surface water or sediment via runoff and erosion. Subchapter 5.3.2 discusses the groundwater exposure pathways, Subchapter 5.3.3 discusses the surface water/sediment exposure pathways, and Subchapter 5.3.5 discusses the air exposure pathways. The likelihood of exposure is influenced by such factors as the mass and concentration of contaminants in the soil exposed at the ground surface, site-specific geology, climate, and expected future land use. Surface soil (less than 6 inches bgs) and subsurface soil (greater than 6 inches bgs) were evaluated to determine if complete exposure pathways exist at OB Site II. Ingestion of biota by ecological receptors is conservatively evaluated by comparison to

medium-specific PALs that account for potential uptake by biota, **Section 5.2.8.** Therefore, ingestion of biota will not be considered further in the SI report.

5.3.4.1 Physical Source Access Conditions. OB Site II is located approximately 600 feet to the northwest of the main BAAF runway (**Figure 2-1**). The site is fully contained on BAAF property, access is restricted, and the area is secure. OB Site II is not currently active, and future land use at this site is expected to remain the same.

5.3.4.2 Actual or Potential Contamination Areas. Potentially contaminated areas include historical OB pits that may not be visible on the surface currently.

5.3.4.3 Soil Exposure Pathways and Receptors. Potential soil exposure pathways include: incidental ingestion, dermal contact, and inhalation of dust and volatiles. Site receptors include industrial workers, site security personnel, and ecological receptors.

5.3.4.4 Soil Sample Locations and Methods. The soil sample locations and methods are discussed in Subchapter 5.2.6. ***Figure 5-1*** *shows the sample locations. The sample locations were recorded with a GPS unit for later reference.* ***Appendix B*** *includes the field notes and field forms for this SI field effort.*

5.3.4.5 Soil Analytical Results. The surface soil sample analytical results for OB Site II are presented in **Table 5-1**. These results were evaluated using the criteria described in Subchapter 5.2.7. No explosives were detected in the surface soil collected. Also, as shown in **Table 5-7**, no MC metals were detected above the selected background criteria. No PAHs were detected above the PALs.

5.3.4.6 Soil Exposure Pathway Conclusions. As mentioned in Subchapter 5.3.4.5, no COPCs were identified in surface soil. Therefore, surface soil exposure pathways at OB Site II are considered incomplete for human and ecological receptors. Subsurface exposure pathways are unconfirmed, due to the possibility of recovering MEC or identifying MC in the subsurface at OB Site II. Subsurface soil exposure pathways are considered potentially complete for industrial workers and ecological receptors via incidental ingestion, dermal contact, and inhalation (dust) from exposure to MC until further investigations can be conducted.

5.3.5 Air Exposure Pathway

The air exposure pathway accounts for hazardous substance migration in gaseous or particulate form through the air. Inhalation of a contaminant can be an exposure pathway for human and ecological receptors. No air sampling was performed at OB Site II.

5.3.5.1 Climate. The climate at the site is described in Subchapter 2.2.2.

5.3.5.2 Releases and Potential Releases to Air. There are no known direct releases of MC to air at OB Site II. During dry and windy conditions, soil particulates

can become airborne. If there were releases of MC to soil from munitions activities, it is possible the constituents would migrate to air via re-suspension of soil particles.

5.3.5.3 Air Exposure Pathways and Receptors. Based on the known current and future uses of the land, the potential receptors would include industrial workers, site security personnel, and ecological receptors. Exposure would occur through inhalation of MC in dust if contamination is present.

5.3.5.4 Air Sample/Monitoring Locations and Methods. Air sampling was not conducted as part of this SI.

5.3.5.5 Air Analytical Results. Not applicable, since no air samples were collected.

5.3.5.6 Air Exposure Pathway Conclusions. As discussed in Subchapter 5.3.5.3, inhalation of MC in dust is a potentially complete pathway from exposure to subsurface soil at OB Site II. If a buried MEC item is recovered in the subsurface, it is possible for MC contamination to occur. If MC contamination is identified in subsurface soil, then inhalation exposure pathways would be complete, and risks from exposure to MC may be present. However, as there are no COPCs identified in surface soil, the air exposure pathways associated with exposure to MC in air as a result of re-suspension of soil particulates from surface soil is incomplete. Receptors include industrial workers, site security personnel, and ecological receptors.

Table 5-7
Soil Source Evaluation
Biggs OB Site II, Texas

Analyte	Units	Maximum Detected Concentration (1)		Potential MC?	PAL (2)	Exceeds PAL?	Background Value	Exceeds Background Value?	Further Evaluation Required?	Primary reason for exclusion from further evaluation
Explosives										
1,3,5-Trinitrobenzene	mg/kg	0.075	U	Yes	0.91	No	N/A	N/A	No	Not detected at site
1,3-Dinitrobenzene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
2,4,6-Trinitrotoluene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
2,4-Dinitrotoluene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
2,6-Dinitrotoluene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
2-Amino-4,6-dinitrotoluene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
2-Nitrotoluene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
3-Nitrotoluene	mg/kg	0.075	U	Yes	0.92	No	N/A	N/A	No	Not detected at site
4-Amino-2,6-dinitrotoluene	mg/kg	0.075	UJ	Yes	0.10	No	N/A	N/A	No	Not detected at site
4-Nitrotoluene	mg/kg	0.075	U	Yes	0.22	No	N/A	N/A	No	Not detected at site
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	mg/kg	0.075	UJ	Yes	0.28	No	N/A	N/A	No	Not detected at site
Nitrobenzene	mg/kg	0.075	U	Yes	0.18	No	N/A	N/A	No	Not detected at site
Nitroglycerin	mg/kg	0.50	U	Yes	1.0	No	N/A	N/A	No	Not detected at site
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	mg/kg	0.075	U	Yes	1.2	No	N/A	N/A	No	Not detected at site
Pentaerythritol Tetranitrate (PETN)	mg/kg	0.50	U	Yes	6.2	No	N/A	N/A	No	Not detected at site
Metals										
Aluminum	mg/kg	5,420		Yes	64,000	No	8,630	No	No	Not detected above PAL
Antimony	mg/kg	0.098	J	Yes	2.7	No	0.354	No	No	Not detected above PAL
Copper	mg/kg	8.7		Yes	70	No	19.9	No	No	Not detected above PAL
Lead	mg/kg	12.4		Yes	1.5	**Yes**	20.83	No	No	Not detected above background
Zinc	mg/kg	21.5		Yes	120	No	40.4	No	No	Not detected above PAL

Table 5-7, cont'd
Soil Source Evaluation
Biggs OB Site II, Texas

Analyte	Units	Maximum Detected Concentration (1)		Potential MC?	PAL (2)	Exceeds PAL?	Background Value	Exceeds Background ?	Further Evaluation Required?	Primary reason for exclusion from further evaluation?
Polynuclear Aromatic Hydrocarbons										
1-Methylnaphthalene	mg/kg	0.033	U	Yes	1.5	No	ND	N/A	No	Not detected at site
2-Methylnaphthalene	mg/kg	0.033	U	Yes	8.5	No	ND	N/A	No	Not detected at site
Acenaphthene	mg/kg	0.033	U	Yes	20	No	ND	N/A	No	Not detected at site
Acenaphthylene	mg/kg	0.033	U	Yes	120	No	ND	N/A	No	Not detected at site
Anthracene	mg/kg	0.033	U	Yes	6.8	No	ND	N/A	No	Not detected at site
Benzo(a)anthracene	mg/kg	0.0035	J	Yes	0.80	No	0.00635	No	No	Not detected above PAL
Benzo(a)pyrene	mg/kg	0.0057	J	Yes	0.56	No	0.00627	No	No	Not detected above PAL
Benzo(b)fluoranthene	mg/kg	0.010	J	Yes	5.7	No	0.0121	No	No	Not detected above PAL
Benzo(g,h,i)perylene	mg/kg	0.0052	J	Yes	24	No	0.00647	No	No	Not detected above PAL
Benzo(k)fluoranthene	mg/kg	0.0033	J	Yes	57	No	ND	N/A	No	Not detected above PAL
Chrysene	mg/kg	0.0066	J	Yes	2.4	No	0.00791	No	No	Not detected above PAL
Dibenz(a,h)anthracene	mg/kg	0.0067	U	Yes	0.55	No	ND	N/A	No	Not detected at site
Fluoranthene	mg/kg	0.033	U	Yes	10	No	ND	N/A	No	Not detected at site
Fluorene	mg/kg	0.033	U	Yes	30	No	ND	N/A	No	Not detected at site
Indeno(1,2,3-cd)pyrene	mg/kg	0.0057	J	Yes	5.7	No	0.00687	No	No	Not detected above PAL
Naphthalene	mg/kg	0.033	U	Yes	1.0	No	ND	N/A	No	Not detected at site
Phenanthrene	mg/kg	0.033	U	Yes	5.5	No	ND	N/A	No	Not detected at site
Pyrene	mg/kg	0.033	U	Yes	10	No	ND	N/A	No	Not detected at site

(1) – See **Table 5-1** for surface soil analytical results.

(2) – PAL as listed in **Tables 5-4, 5-5, and 5-6**.

U - Data are qualified as non-detected.
J – Data are qualified as estimated.
mg/kg - milligrams per kilogram
N/A – Not Applicable

5.4 PRESENCE OF MUNITIONS CONSTITUENTS CONTAMINATION

5.4.1 The presence or absence of COPCs within an MRS can be used to approximate the extent of MC contamination in that location. This information could be used to focus MC characterization efforts conducted during any future RI/FS.

5.4.2 As described in the preceding subchapters, the samples collected and the related analytical data were evaluated to determine whether COPCs were present within OB Site II. The general results of this evaluation indicate that no COPCs were detected within the site (Subchapter 5.3). Based on the results of the sampling and analysis conducted for this SI, there is no evidence of a release of MC to environmental media at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MEC and MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.

5.5 REVISED CONCEPTUAL SITE MODEL

5.5.1 Based on the results of the MEC and MC investigations conducted at OB Site II as presented in Chapters 4 and 5 of this report, the preliminary CSM described in Subchapter 3.1 was reviewed and updated to reflect any new applicable information. This revised CSM (presented in **Table 5-8**) summarizes the most current information for the site. The revised CSM pathway flow diagram presenting the exposure pathways at the site is presented in **Appendix J**.

5.5.2 The revised CSM for OB Site II indicates that various munitions, including 20mm, 37mm, and 40mm projectiles; hand grenades; and small-arms ammunition are potentially present in surface and subsurface soil at the MRS. Regarding MC, the revised CSM indicates that there are no COPCs at the site. The approximate location of the MEC contamination is discussed in Subchapter 4.3.

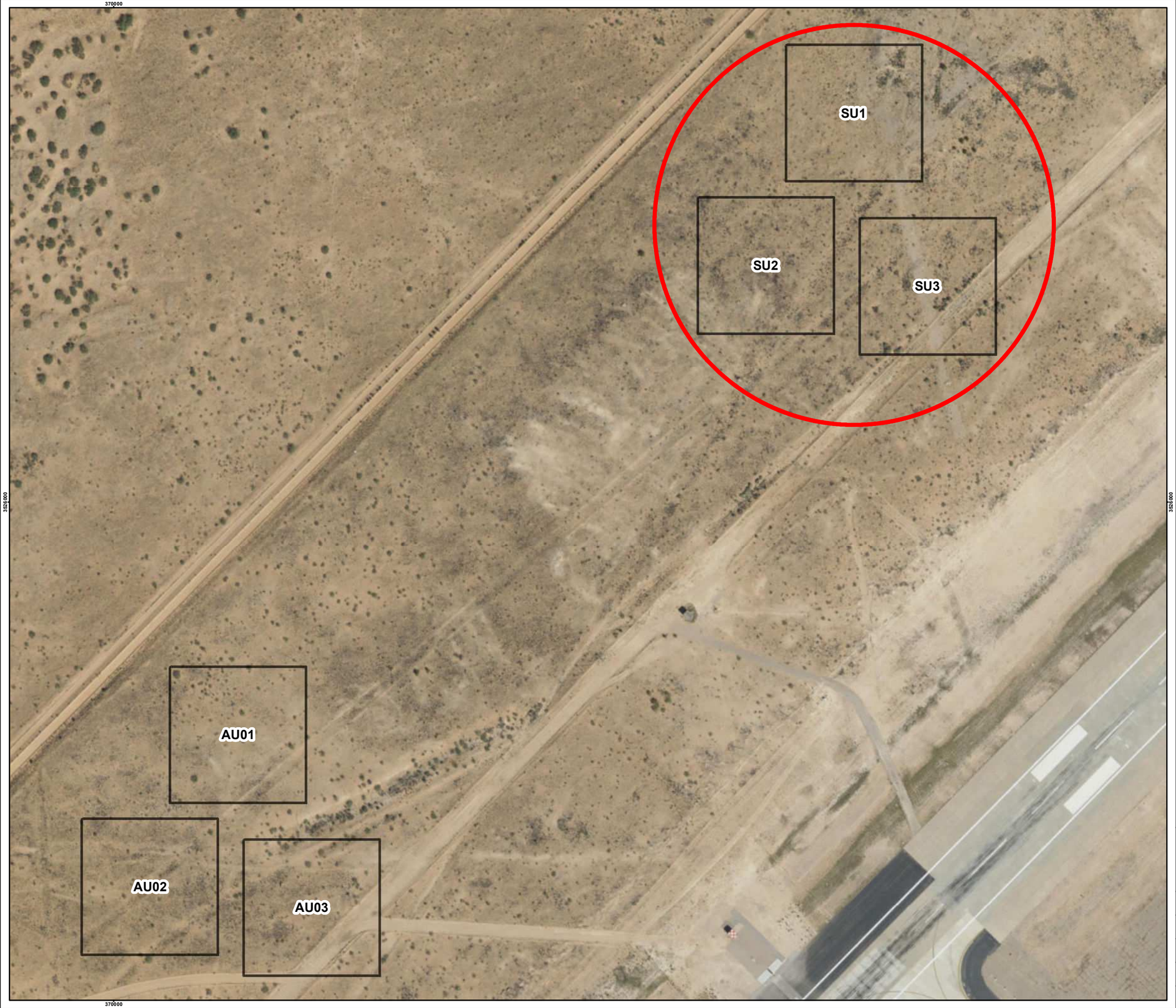
5.5.3 As a result of this MEC contamination, potentially complete exposure pathways are present at the site that might result in industrial workers and site security personnel being exposed to explosive hazards in soil at the site. These potentially complete exposure pathways are summarized in **Table 5-8** and in the revised CSM pathway flow diagrams in **Appendix H**. The revised CSM can be used to focus future investigations or response actions at OB Site II by highlighting the areas and media where explosive hazards are most likely to be present.

Table 5-8
Details and Results of Site Inspection, and Overview of Revised Conceptual Site Model,
Biggs OB Site II, Fort Bliss, Texas

Site Details	DETAILS AND RESULTS OF SITE INSPECTION						REVISED CONCEPTUAL SITE MODEL SUMMARY				
	Known or Suspected Contamination Source(s)	**Potential/Suspected Location and Distribution**	**Investigation Method(s)**	**Investigation Location(s)**	**Actual Investigation Acreage/Number of Samples**	**Investigation Results**	**Known or Suspected Contamination Source(s)**	**Expected Location and Distribution**	**Source or Exposure Medium**	**Current and Future Receptors**	**Potentially Complete Exposure Pathways**
NAME: OB SITE II **Acreage**: 14 acres **Suspected Past DoD Activities (*release mechanisms*)**: Possibly munitions disposal by open burning, which might have released MEC (most likely UXO) at disposal features **Current and Future Land Use:** Industrial, and is expected to remain unchanged in the future.	*Munitions and Explosives of Concern:* Various munitions including 20mm and 37mm projectiles, hand grenades, and small-arms ammunition	Potential to find residual MEC/MPPEH in or beneath disposal features	Geophysical surveys	Throughout the survey footprint along parallel transects at approx. 10-foot spacing	Seven (7) acres of visual survey (surface sweep for metallic debris) 10 miles of DGM survey transects	One MEC item found on the surface (40mm high-explosive [HE] projectile) Six (6) possible subsurface MEC-related disposal features identified by DGM surveys	*MEC in Surface Soil*: Various munitions including 20mm, 37mm, and 40millimeter (mm) projectiles, hand grenades, and small-arms ammunition	Potentially located throughout MRS; however, presence is expected to be limited	Surface soil	*Current and Future*: Industrial workers, site security personnel	Exposure to MEC on surface
							MEC in Subsurface Soil: Various munitions including 20mm, 37mm, and 40mm projectiles, hand grenades, and small-arms ammunition	Potentially located in possible subsurface MEC-related disposal features (**Figure 4-2**); isolated subsurface items (i.e., kick-outs) may be present if munitions disposal confirmed	Subsurface soil	*Current and Future*: Industrial Workers (intrusive only)	Exposure to MEC in subsurface soil
	Munitions Constituents: Explosives, metals (aluminum, antimony, copper, lead, and zinc), and PAHs	Potentially present in soil in and beneath disposal features and also across the surface of the site.	Collect surface soil ISM samples and analyze for MC; 0- to 6-inch sample depth	Throughout the site (**Figure 5-1**)	Three (3) surface soil samples	No COPCs detected in surface soil Subsurface soil not evaluated in SI	*MC in Surface Soil:* No COPCs identified	No evidence of a release of MC to surface soil	Surface soil	NONE	NONE
							MC in Subsurface Soil: Subsurface soil not investigated. MC may have been released to subsurface soil in munitions-related disposal features	MC may have been released to subsurface soil in munitions-related disposal features.	Subsurface soil	Current and Future: Industrial Workers and ecological receptors	Exposure to MC in subsurface soil
							MC in Groundwater: Not expected.	Not expected.	Groundwater	NONE	NONE

Figure 5-1

Sample Locations
Biggs OB Site II
Fort Bliss, Texas



Legend

- Site Boundary
- Sampling Unit

N

0 100 200 Feet

U.S. Army
Environmental Command

DESIGNED BY: GP	**Site Inspection Biggs OB Site II, Ft. Bliss, El Paso, Texas**	
DRAWN BY: GP		
CHECKED BY: JS	SCALE: As Shown	CONTRACT NUMBER:
SUBMITTED BY: JS	DATE: May 2017	PAGE NUMBER:
FILE: J:\100075\110031 Ft Bliss\GIS\MXD\SI\Figure5-1_Sample_Locations_Site2.mxd		

10/03/2018

CHAPTER 6
SCREENING-LEVEL RISK ASSESSMENT

6.1 MUNITIONS AND EXPLOSIVES OF CONCERN SCREENING-LEVEL HAZARD ASSESSMENT

6.1.1 Conceptual Site Model

The CSM for OB Site II summarizes conditions at the site that could result in human exposure to MEC. It describes the types of MEC potentially present, past MEC and MD findings, and current and projected future land use and receptors for the site. The revised CSM is discussed in Subchapter 5.5 of this report, and concluded that potentially complete MEC exposure pathways are present at the site.

6.1.2 Introduction

6.1.2.1 A qualitative hazard evaluation was conducted to assess the potential explosive safety risk to the public at OB Site II. The purpose of this hazard evaluation is to qualitatively communicate whether a potential hazard is present at the site and the primary causes of that potential hazard. The hazard evaluation presented here is based on historical information and observations made during the SI activities.

6.1.2.2 An explosive safety hazard exists if a person can come near or into contact with an MEC item and interact with it in a manner that results in a detonation. The potential for an explosive safety hazard depends on the presence of three critical elements:

- a source (i.e., presence of MEC), AND
- a human receptor (i.e., a person), AND
- the potential for interaction between the source and receptor (i.e., the possibility that the item might be picked up or disturbed by the receptor).

6.1.2.3 All three of these elements must be present for there to be an explosive safety hazard. There is no hazard if any one element is missing. Each of these three elements provides a basis for implementing effective hazard management response actions.

6.1.3 Qualitative Hazard Evaluation

6.1.3.1 The potential hazard posed by MEC was characterized qualitatively by evaluating three primary factors. These factors are related to the three critical elements listed above and are:

1) MEC Presence: whether there is the potential for MEC to be present at the MRS;

2) MEC Type: the type(s) of MEC that might be present at the MRS and the related potential explosive hazards; and

3) Site Accessibility: the potential receptors at the MRS and how they might interact with the MEC.

6.1.3.2 The known or suspected presence of an explosive hazard and any potential human receptors at an MRS will typically be considered sufficient justification for an RI/FS. The following paragraphs describe each of the primary hazard factors.

6.1.3.3 ***MEC Presence:*** This factor describes whether MEC either has been confirmed or is suspected to be present at the MRS, either at the surface or in the subsurface, and is based on historical information and observations made during the SI. Note that if there is historical evidence of potential MEC presence at a site, lack of confirmation of MEC presence during the SI will not be considered as evidence of MEC absence for this qualitative hazard evaluation. **Table 6-1** lists the three possible categories used to describe MEC presence for this evaluation.

Table 6-1
Categories of MEC Presence

MEC Presence	Description
Confirmed or suspected	There is physical or confirmed historical evidence of MEC presence at the MRS, or there is physical or historical evidence indicating that MEC may be present at the MRS.
Small arms only(1)	The presence of small arms ammunition is confirmed or suspected, and there is evidence that no other types of munitions were used or are present at the MRS.
Evidence of no munitions	Following inspection of the MRS, there is physical or historical evidence that no UXO or Discarded Military Munitions (DMM) are present.

(1) Small arms ammunition is defined as "ammunition, without projectiles that contain explosives (other than tracers), that is .50 caliber or smaller or for shotguns" (Department of the Army, 2005).

6.1.3.4 ***MEC Type:*** This factor describes whether the MEC potentially present at the MRS might be detonated, resulting in injury to one or more human receptors. If multiple MEC items are potentially present at an MRS, the item that poses the greatest hazard to public health is selected for purposes of this qualitative hazard evaluation. This determination is based on historical information and observations made during the SI. **Table 6-2** lists the three possible categories used to describe MEC Type for this evaluation.

Table 6-2
Categories of MEC Type

MEC Type	Description
Potentially Hazardous	Fuzed or unfuzed MEC that may result in physical injury to an individual if detonated by an individual's activities.
Small arms only(1)	Small arms ammunition is confirmed or suspected, and there is evidence that no other types of munitions were used or are present at the MRS.
Inert	MD or other items that will cause no injury (e.g., training munitions containing no explosives, fuzes, spotting charges, etc.).

(1) Small arms ammunition is defined as "ammunition, without projectiles that contain explosives (other than tracers), that is .50 caliber or smaller or for shotguns" (Department of the Army 2005).

6.1.3.5 ***Site Accessibility:*** this factor describes whether human receptors have any access to the MRS and, therefore, may interact with any MEC present at the surface or in the subsurface. For purposes of this qualitative hazard evaluation, if MEC is confirmed or suspected to be present at the MRS, it is assumed that human receptors might come into contact with that MEC unless there is "Complete Restriction to Access." A description of the potential receptors will also be given with this assessment. **Table 6-3** lists the two possible categories used to describe Site Accessibility for this evaluation.

Table 6-3
Categories of Site Accessibility

Site Accessibility	Description
Accessible	Access control is not complete: residents, site workers, or site visitors can gain access to all or part of the MRS.
Complete restriction to access	Human receptors are completely prevented from gaining access to the MRS.

6.1.3.6 With regard to this qualitative hazard evaluation, further evaluation (i.e., RI/FS) for the site will typically be justified if the following conditions are true:

- MEC is confirmed or suspected to be present, AND
- The MEC confirmed or suspected to be present is potentially hazardous, AND
- The MRS is accessible.

6.1.3.7 The primary hazard factors identified above were evaluated for OB Site II using data collected during the SI field inspection and the historical data available. The following sections discuss the qualitative hazard evaluation by each primary hazard factor to determine whether or not further evaluation is justified at the site.

6.1.4 Munitions and Explosives of Concern Hazard Assessment

6.1.4.1 One MEC item, a 40mm projectile, was found during the SI field activities performed in March and April 2017. No MD was observed, but 14 potential subsurface MEC-related disposal features were identified through the DGM transect survey. No discoveries of MEC have been historically reported at this MRS. Because of the MEC item found during the SI, there is a potential for additional MEC items. Based on this information, the presence of MEC at OB Site II is assessed to be "Confirmed or Suspected."

6.1.4.2 Due to the potential for the site to have been used for munitions disposal, a generalized list of the potential MEC items that could be present at the site includes various munitions, including 20mm, 37mm, and 40mm projectiles; hand grenades; and small-arms ammunition. A 40mm projectile was found on the surface during SI activities at the site. Based on this information, the MEC Type at OB Site II is assessed to be "Potentially Hazardous."

6.1.4.3 The site is fully contained on BAAF property, access is restricted, and the area is secure. There is an access gate to the general area located approximately 1 mile to the west of the site and a dirt road located just north of the runway running parallel with the runway, which allows for access to this site. Potential receptors at the site include industrial workers and site security personnel. Based on this information, the Site Accessibility at OB Site II is considered to be "Accessible."

6.1.5 Hazard Summary

The qualitative MEC hazard evaluation for OB Site II is summarized in **Table 6-4**. Based on this qualitative MEC hazard evaluation, there is the possibility that human receptors might come into contact with MEC at the site and, therefore, there is the potential for an explosive safety hazard.

Table 6-4
MEC Hazard Evaluation
Biggs OB Site II, Fort Bliss, Texas

Site	MEC Presence	MEC Type		Site Accessibility	Further Evaluation?
Biggs OB Site II	Confirmed or suspected	Various munitions, including 20mm, 37mm, and 40mm projectiles; hand grenades; and small-arms ammunition	Potentially Hazardous	Accessible	Yes

6.2 MUNITIONS CONSTITUENTS HUMAN HEALTH SCREENING LEVEL RISK ASSESSMENT

As discussed in Subchapter 5.2.8, the SLRA evaluates only MC contamination found at the site. Because no explosives were detected in any of the samples and concentrations of metals and PAHs did not exceed the selected background criteria, there is no evidence of a release of MC or PAHs to surface soil at the site, and surface soil exposure pathways are incomplete. Therefore, no unacceptable risks to human health are expected from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MEC and MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.

6.3 MUNITIONS CONSTITUENTS ECOLOGICAL SCREENING LEVEL RISK ASSESSMENT

Because no explosives were detected in any of the samples and concentrations of metals and PAHs did not exceed the selected background criteria, there is no evidence of a release of MC or PAHs to surface soil at the site, and surface soil exposure pathways are incomplete. Therefore, no unacceptable risks to ecological receptors are expected from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MEC and MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.

CHAPTER 7
SUMMARY AND CONCLUSIONS

7.1 SUMMARY

7.1.1 An SI was performed at the Biggs OB Site II at Fort Bliss, Texas, by evaluating site-specific conditions that could impact the potential for completed exposure pathways to human and ecological receptors at the site. The primary objective and purpose of the SI was the determination, using DGM surveys and MC sampling, as to whether the site should be recommended for immediate action (Time Critical Removal Action [TCRA]), subsequent characterization actions (such as a RI/FS), or no further action. There is very little documentation on the history or activities performed at the investigation site. Based on inference from the history of BAAF, the historical use of the site may date back to the Army during World War II, when the area was potentially used for disposal of munitions (from the 1940s through 1966). The types of ordnance potentially associated with the site include various munitions, including 20mm, 37mm, and 40-mm projectiles; hand grenades; and small-arms ammunition.

7.1.2 The site is fully contained within the boundaries of BAAF. It is located in an industrial use area, just north of the main BAAF runway. The site is not currently in use. The land use for this area is expected to remain the same in the future.

7.1.3 To assess the potential presence of MEC at Biggs OB Site II, the SI field team collected and analyzed 10 miles of DGM transect data. Based on the DGM results, 14 areas with elevated anomaly density were identified. These areas are too large to indicate single small geophysical anomalies and indicate larger sources, such as debris pits, metallic infrastructure, and/or utilities. Each of these elevated anomaly density areas was evaluated with respect to the visual observations made (Subchapter 4.2). Unless the visual observations indicated non-munitions related material considered to be sufficient to be the anomaly source, the anomalous area was assumed to be a potential MEC-related disposal feature. This approach was consistent with the approved project DQOs (Subchapter 3.7). Based on this evaluation, six of the 14 subsurface features observed in the data were identified to be possible MEC-related disposal features (i.e., anomalies possibly indicative of pits or trenches) because there was no clear non-munitions related rationale for the anomalies. Eight of the subsurface features were linked to visible non-munitions related sources. On this basis and in accordance with the approved DQOs for project (Subchapter 3.7), the potential for MEC contamination is assumed in subsurface soil. The locations of the possible munitions disposal features are shown on **Figure 4-2**. Note these are only possible disposal features and are not yet confirmed to be MEC-related. In addition to these observations, one MEC item (a 40mm projectile) was identified on the surface just outside the boundary of Biggs OB Site II, which also indicates some potential for MEC to be on the surface at the site. However, it should be noted no other MEC, MPPEH, or MD were

observed during the field investigation. Because only one MEC item was found despite the large area of the site covered during the DGM data collection, the potential for finding additional items on the surface at OB Site II is considered to be low. It is also possible this single MEC item might be related to disposal operations at OB/OD Site I, which is located 0.9 miles to the south, or to other activities at Fort Bliss rather than to as yet unconfirmed disposal operations at OB Site II. Based on the potential use of the site as a munitions disposal area, it is possible that additional MEC items in the form of UXO might remain on the surface and in the subsurface at the site.

7.1.4 During the SI at OB Site II, three incremental surface soil samples (plus two field triplicate samples) were collected within the MRS. In addition, three ambient surface soil samples were collected in locations not expected to have been affected by munitions-related activities. The surface soil samples were analyzed for: explosives, using Method SW8330B; aluminum, antimony, copper, lead, and zinc, using Method SW6010C; and PAHs, using Method SW8270D-SIM. Ambient soil samples were analyzed for PAHs only, since a background metals study has been completed for Fort Bliss. No explosives were detected in any of the samples, and no metals or PAHs were detected above selected background criteria. Because no explosives were detected in any of the samples and concentrations of metals and PAHs did not exceed the selected background criteria, there is no evidence of MC contamination in surface soil at the site, and surface human and ecological exposure pathways are incomplete. Therefore, no unacceptable risks to human health or ecological receptors are expected from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.

7.2 STATUS OF DATA QUALITY OBJECTIVES

7.2.1 Munitions and Explosives of Concern – Determination of Presence or Absence

7.2.1.1 As described in **Table 3-2**, the MEC DQOs for OB Site II included conducting DGM surveys throughout the site. The DGM transect data were used to identify potential disposal features. The presence of potential disposal features at the site would be considered evidence that there was a possibility for MEC contamination. To achieve this MEC DQO, DGM surveys were conducted across the site. The total distance of DGM transects completed was 10 miles. Geophysical investigations achieved applicable MPC as stated in the UFP-QAPP and confirmed by the IVS Report as stipulated in the DQOs (**Table 3-2**).

7.2.1.2 For these reasons, based on the summary above and the information presented elsewhere in this report, the data obtained are considered sufficient to complete the SI for OB Site II, and the MEC DQOs for this SI are determined to have been achieved.

7.2.2 Munitions Constituents – Determination of Presence or Absence

7.2.2.1 As described in **Table 3-2**, the MC DQOs for evaluating the presence/absence of MC contamination at OB Site II included the collection and analysis of soil samples collected throughout the site. In addition to these DQOs, unless failures could be adequately explained and/or justified, all analytical data had to achieve the applicable measurement quality objectives as defined in the approved UFP-QAPP (CAPE, 2016).

7.2.2.2 To achieve the DQOs for MC, three surface soil samples (plus two field triplicate samples) were collected from throughout the site (Subchapter 5.2). The number of samples collected matched the number specified in the DQOs (**Table 3-2**). These samples were analyzed for MC as defined in the approved UFP-QAPP (CAPE, 2016), and the results were compared to screening values to evaluate the presence of COPCs. Conclusions regarding the presence or absence of COPCs were made based on the comparison of the detected site concentrations to PALs (Subchapter 5.3).

7.2.2.3 For these reasons, based on the summary above and the information presented elsewhere in this report, the data obtained during this SI are considered sufficient to evaluate the presence or absence of MC contamination at OB Site II, and the MC DQOs for this SI have been achieved.

7.3 CONCLUSIONS

7.3.1 An exposure pathway is not considered to be complete unless all four of the following elements are present (USEPA, 1989):

- There is a source of contamination: e.g., a site has known MEC, from which MC have leached and contaminated pertinent media.
- The contaminant is present in a media in which it can be transported: e.g., the MC in soil is mobile and can contaminate groundwater.
- There is a point of exposure where a contaminant can interact with a receptor: e.g., a drinking water well drawing from the contaminated aquifer is located at the site.
- A route exists for the medium and receptor to interact at the point of exposure: e.g., a resident uses groundwater for drinking water.

7.3.2 The Army identified Biggs OB Site II as a possible munitions disposal area. DGM surveys conducted during the SI identified six geophysical anomalies that could not be attributed to non-munitions related sources. Consequently, in accordance with the approved project DQOs, these anomalies are assumed to be potential MEC-related subsurface disposal features. In addition to these observations, one MEC item (a 40mm projectile) was discovered on the surface just outside the boundary of Biggs OB Site II, which also indicates limited potential for additional MEC to remain on the surface. Therefore, based on the potential use of the site as a munitions disposal area, it is possible that additional MEC items in the form of UXO might remain on the surface

and in the subsurface at Biggs OB Site II, and further evaluation is needed to address the possible explosive hazards that remain. The approximate distribution of this MEC contamination is shown on **Figure 4-2**.

7.3.3 Because no explosives were detected in any of the samples and the concentrations of metals and PAHs did not exceed the selected background criteria, there is no evidence of MC contamination in surface soil at the site, and surface human and ecological exposure pathways are incomplete. Therefore, no unacceptable risks to human health or ecological receptors are expected from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MEC and MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.

7.3.4 The results of this SI were used to update the CSM (Subchapter 5.5). The revised CSM should be used to focus future investigations or response actions at the site by highlighting the areas and media where explosive hazards are most likely to be present.

7.3.5 The DQOs for this SI were achieved for both the MEC and MC components of the investigation. Therefore, the data obtained during this SI are considered sufficient to evaluate the presence or absence of MEC and MC contamination at the Biggs OB Site II.

CHAPTER 8
RECOMMENDATIONS

8.1 RESULTS

The results of this SI indicate that MEC contamination may remain on the surface and in the subsurface at OB Site II. Based on these results and the qualitative MEC hazard assessment performed, there is the possibility that human receptors might come into contact with MEC at the site and, therefore, there is the potential for explosive safety hazards. The MC risk assessment concluded that there are no unacceptable risks to human health or ecological receptors from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MC to be present in subsurface soil. Based on the results of this SI, it is recommended that an RI/FS be conducted to further evaluate the potential disposal features indicated by the data gathered (**Figure 4-2**).

8.2 RECOMMENDATIONS

Since the site is not currently in use and there is restricted access to the area, there is no imminent threat to human health and the environment. For this reason, a TCRA is not recommended at this time. These recommendations and their rationales are summarized in **Table 8-1**. The SI findings are summarized as follows:

- Historic information and the results of this SI indicate that there is the potential for MEC to be present on the surface or in the subsurface. Based on the potential presence of MEC, there may be explosive safety hazards.
- There are no COPCs present in the surface soil at the site. Consequently, there are no unacceptable risks to human health or ecological receptors expected from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MC to be present in subsurface soil.
- The results of this SI were used to update the CSM to indicate the areas and media where explosive hazards are most likely to be present, and should be used to focus future investigations or response actions.
- The DQOs for this SI were achieved for both the MEC and MC components of the investigation. Therefore, the data obtained during this SI are considered sufficient to evaluate the presence or absence of MEC and MC contamination with OB Site II.

Table 8-1
Site Inspection Recommendations
Biggs OB Site II, Fort Bliss, Texas

Site	Recommendation	Rationale
Biggs OB Site II	RI/FS for MEC and MC	• Site was potentially used for munitions disposal, and possible subsurface disposal features were identified, though not confirmed • One MEC item was found on the surface just outside the site boundary • MEC hazard assessment concluded there is the potential for explosive safety hazards on the surface and in subsurface soil at this MRS • Concentrations of MC were not detected above background and human health and ecological screening values in surface soil • The presence of possible subsurface disposal features means a possibility of MC contamination remains in subsurface soil, though this has not been confirmed

CHAPTER 9
REFERENCES

CAPE, 2016. Final UFP-QAPP – Site Inspection at Biggs OB Site II. November 2016.

Department of the Army, 2005. *Memorandum for the Assistant Chief of Staff for Installation Management, Subject: Munitions Response Terminology.* Department of the Army, Office of the Assistant Secretary, Installations and Environment, 110 Army Pentagon, Washington, DC. April 21, 2005.

engineering-environment Management, Inc., 2007. Final Site Inspection Report, Fort Bliss, Texas. April 2007.

Fort Bliss, 2013. Memorandum to File: Former U.S. Air Force OB/OD and Open Burn Area of Interest, Fort Bliss Restoration in coordination with AEC Environmental Restoration Manager, 2013.

NRCS, 2015. Natural Resources Conservation Service, Web Soil Survey, National Cooperative Soil Survey. Accessed September 14, 2015: websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

TWDB, 1987. Report 300, Summary of Hydrologic Information in the El Paso, Texas, Area, with Emphasis on Ground-Water Studies, 1903-80.

TWDB, 2015a. Major Aquifers of Texas, Hueco-Mesilla Bolson Aquifers, TWDB website. Accessed September 8, 2015: www.twdb.texas.gov/groundwater/aquifer/majors/hueco-mesilla-bolsons.

TWDB, 2015b. Water Data for Texas, Texas Water Development Board. Accessed September 8, 2015: www.waterdatafortexas.org/groundwater/well/4913301.

URS, 2013. Field Demonstration Report of Incremental Sampling Methodology at Closed Castner Firing Range, Fort Bliss, Texas. Prepared for U.S. Army Corps of Engineers, Louisville District and U.S. Army Environmental Command. Prepared by URS Group, Inc., 2450 Crystal Drive, Suite 500, Arlington, VA 22202. June 2013.

U.S. Census Bureau, 2010. *Community Facts for El Paso County, Texas*. https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=CF. Accessed May 22, 2017.

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A), Interim Final. Office of Emergency and Remedial Response. USEPA/540/1-89/002.

USEPA, 1992. Hazard Ranking System Guidance Manual. Office of Emergency and Remedial Response. Publication 9345.1-07. PB92-963377. USEPA 540-R-92-026. November 1992. http://www.epa.gov/superfund/sites/npl/hrsres/si/siguidance.pdf.

USEPA 2006. Guidance on Systematic Planning Using the Data Quality Objectives Process, USEPA QA/G-4, USEPA/240/B-06/001.

APPENDIX A

PERFORMANCE WORK STATEMENT

PERFORMANCE WORK STATEMENT
Environmental Remediation Services at Four Installation Remedial Program Sites and Military Munitions Program Sites
Fort Bliss, Texas
13 March 2015
Final Version 4- as of 13 April 15
PART 1

GENERAL INFORMATION

1. **General:** This is a non-personal services firm-fixed price contract to provide environmental remediation services for four (4) sites at Fort Bliss.

1.1 Description of Services: The Contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to complete the contract requirements specified in Table 1 of this Performance Work Statement (PWS) except for those items specified as Government furnished property and services (See Part 3). The Contractor shall perform to the standards in this task order and the Basic Contract.

1.1.1. The Contractor shall be responsible for fully executing the Firm Fixed Price (FFP) task order under a Performance Based Acquisition (PBA) approach. The Contractor shall conduct required environmental investigation services for which the United States Department of the Army (the "Army") is statutorily responsible; addressing any and all environmental, explosive safety, scheduling, and regulatory issues, and assuming contractual liability and responsibility for the achievement of the performance objectives for the aforementioned sites.

1.1.2. The Contractor shall comply with all applicable Federal, state, and local laws and regulations and achieve the contract requirements of this PWS in a manner that is consistent with any applicable orders or permits, all existing cleanup agreements or guidance for the Installation, and relevant Department of Defense (DOD) and Army regulations, policies, and procedures, for the duration of the contract.

1.1.3. Applicable regulations:

1.1.3.1. Within the State of Texas, the Contractor shall perform all the necessary environmental remediation work required to meet the contract requirements of this PWS in a manner that is consistent with Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA), and the National Oil and Hazardous Substances Contingency Plan (NCP), with regulatory coordination with Texas Commission for Environmental Quality (TCEQ). Remedial Investigations (RI) within the State of Texas will be conducted under the provision of CERCLA with the Texas Risk Reduction Program (TRRP) rule provisions identified as Applicable or Relevant and Appropriate Requirement (ARAR).

1.1.3.2. Within the State of New Mexico, the Contractor shall perform all the necessary environmental remediation work required to meet the contract requirements of this PWS in a manner that is consistent with Resource Conservation and Recovery Act (RCRA) and New Mexico Administrative Code (NMAC). Fort Bliss has a RCRA Permit (#NM4213720101-01 RCRA Corrective Action) that was last modified on 15 June 2006, issued by the New Mexico Environment Department (NMED) Hazardous Waste Bureau.

1.1.4. The sites are not suspected to contain Chemical Warfare Materiel (CWM). The Contractor shall not perform CWM work but shall be familiar with and be able to recognize CWM so he can stop work and to notify the Army of these potential hazards.

1.1.5 Please note that munitions and explosives of concern (MEC) may be found during the course of executing this contract at the following sites; **FTBLS-006-R-01 and FTBLS-006-R-02,** based on site history. Should MEC be encountered during this task order, unexploded ordnance (UXO)-qualified Contractor personnel shall evaluate the explosive hazard and initiate UXO avoidance procedures. The contractor shall not perform MEC removal or disposal work. The contractor will notify the installation's reponse team, COR, and KO of these potential hazards in accordance with Sections 5.7 of the PWS.

1.2 **Background**:

Fort Bliss covers more than 1,000,000 acres in Texas and New Mexico, including portions of three counties (El Paso, Texas; Dona Ana and Otero, New Mexico). The cantonment area is adjacent to the city of El Paso, Texas. This PWS covers the following four sites:

- FTBL-014 (SWMU-025) Oro Grande Landfill, State of New Mexico
- CCFTBL-001 Far East Illegal Dump Site, State of Texas
- FTBLS-006-R-01 Biggs OB/OD Site I, State of Texas
- FTBLS-006-R-02 Biggs OB Site II, State of Texas

1.3 **Performance Objectives and Standards:**

The contract requirements for this task order may be found in Table 1. The performance requirements summary for this task order may be found in Appendix A.

Table 1: Contract Requirements Summary

Contract Requirements	Acceptance Criteria
Base: Complete an approved Project Management Plan (PMP): • Draft PMP within 30 days of Task Order award, • Final PMP within 30 days of receipt of COR comments on the drafts.	Development of PMP as specified in C.4 of the Basic Contract PWS. Army approval through the COR.
Base: Complete an approved Explosives Site Plan (ESP) for the following sites: 1. FTBLS-006-R-01, Biggs OB/OD Site I 2. FTBLS-006-R-02, Biggs OB Site II, • Draft ESP within 60 days of Task Order Award. • Final ESP within 7 days of Department of Defense Explosives Safety Board (DDESB) approval.	Army approval through COR. Submission to USACE-CX, USATECS for review and comments. DDESB submission and approval of contractor prepared ESP.
Base: Conduct a Remedial Investigation (RI) and final Report within 36 months from award of task order at the following site: FTBLS-006-R-01, Biggs OB/OD Site I Note: The Munitions Response Site Prioritization Protocol (MRSPP) and Conceptual Site Model (CSM) shall be included with the final RI Report.	Compliance with CERCLA. Army approval through COR. TCEQ review and approval in the form of written documentation for approving reports.
Option: Conduct a Feasibility Study (FS) at the following site within 12 months from award of the option. FTBLS-006-R-01, Biggs OB/OD Site I Note: Option will be awarded NLT 90 days from COR approval on the Final RI Report.	Compliance with CERCLA. Army approval through COR. TCEQ review and concurrence in the form of written documentation.

Option: Achieve Proposed Plan (PP) and final Decision Document (DD) at the following site within 12 months from award of the option. FTBLS-006-R-01, Biggs OB/OD Site I Note: Option will be awarded NLT 90 days from COR approval on the Final FS Report.	Compliance with CERCLA. Army approval through COR. TCEQ review and concurrence in the form of written documentation
Base: Conduct a Site Inspection (SI) at the following site within 18 months from award of the Task Order award: FTBLS-006-R-02, Biggs OB Site II, Note: The Munitions Response Site Prioritization Protocol (MRSPP) and Conceptual Site Model (CSM) shall be included with final report.	Compliance with CERCLA. Army approval through COR. TCEQ review and concurrence in the form of written documentation
Option: Conduct Remedial Investigation (RI) at the following site: FTBLS-006-R-02, Biggs OB Site II • Within 24 months from Option award. Note: Option award will be based on the finding of the SI, with award NLT 90 days from COR approval on the Final SI Report.	Compliance with CERCLA. Army approval through COR. TCEQ review and concurrence in the form of written documentation
Option: Conduct a Feasibility Study (FS) at the following site: FTBLS-006-R-02, Biggs OB Site II • Within 12 months from Option award. Note: Option will be awarded NLT 90 days from COR approval on the final RI Report.	Compliance with CERCLA. Army approval through COR. TCEQ review and concurrence in the form of written documentation.

Option: Achieve Proposed Plan (PP) and final Decision Document (DD) at the following site within 6 months from award of the option. FTBLS-006-R-02, Biggs OB Site II Note: Option will be awarded NLT 90 days from COR approval on the Final FS Report.	Compliance with CERCLA. Army approval through COR. TCEQ review and concurrence in the form of written documentation
Base: Complete a Corrective Action Work Plan for the selected remedy through regulatory approval at the following site within 24 months of Task Order Award: FTBL-014 (SWMU-25), Oro Grande Landfill • Draft Work Plan within 90 days of Task Order award. • Final documents within 30 days of resolution of Army's comments.	Army approval through the COR, regulator submission of final plans and reports for review and final approval. Compliance with NM regulations and the requirements of the NM RCRA permit. Note: Contractor is responsible for all review fees and schedules per NMAC 20.4.2
Option: Complete Corrective Action (CA) for the selected remedy, through approval of final report. FTBL-014 (SWMU-25), Oro Grande Landfill Complete CA within 120 days of CLIN execution, with draft CA report within 60 days of completion of CA. Note: Option will be awarded NLT 90 days from NMED approved work plan.	Army approval through the COR and Regulator submission of final plans and reports for review and final approval. Compliance with NM regulations and the requirements of the RCRA permit. Note: Contractor is responsible for all review fees and schedule per NMAC 20.4.2

Base: Conduct a Remedial Investigation (RI) at the following site within 36 months from award of the task order: • CCFTBL-001, Far East Illegal Dump Site Note: Conceptual Site Model (CSM) shall be included with the final RI Report.	Compliance with CERCLA. Army approval through COR. TCEQ review and concurrence in the form of written documentation
Option: Achieve an approved Feasibility Study (FS) at the following site within 12 months of award of option or within 6 month from RI Approval: • CCFTBL-001, Far East Illegal Dump Site Note: Option will be awarded NLT 90 days from COR approval on the final RI Report.	Compliance with CERCLA. Army approval through COR. TCEQ review and concurrence in the form of written documentation.
Option: Complete Proposed Plan and final Decision Document (DD) at the following site within 12 months of award of option: • CCFTBL-001, Far East Illegal Dump Site Note: Option will be awarded NLT 90 days from COR approval on the final FS Report.	Compliance with CERCLA. Army approval through COR. TCEQ review and concurrence in the form of written documentation.

1.4 Scope: The scope of this task order is defined in Table 1.

1.5 Period of Performance (POP): The period of performance shall not exceed 5 years from the date of award.

1.6 General Information:

1.6.1 Quality Control (QC): QC is the responsibility of the Contractor. The Contractor shall comply with Section C.5.8 of the Basic Contract. Quality Control Plan requirements for the task order shall be part of the PMP.

1.6.2 Quality Assurance (QA): See Section C.5.9 of the Basic Contract.

1.6.3 Federal Government Holidays: The Contractor may work at the Installation on the following Federal Government Holidays provided they make the proper arrangements and it is agreed upon by the COR, and coordination with Installation.

New Years Day	1st day of January
Martin Luther King Jr.'s Birthday	3rd Monday of January
Washington's Birthday	3rd Monday of February
Memorial Day	Last Monday of May
Independence Day	4th day of July
Labor Day	1st Monday of September
Columbus Day	2nd Monday of October
Veterans Day	11th day of November
Thanksgiving Day	4th Thursday of November
Christmas Day	25th day of December

1.6.4 Hours of Operation: The Contractor shall conduct business on the Installations as required to complete the activities required to meet the contract requirements in this PWS except when the Government facilities are closed due to local or national emergencies, administrative closings, or similar Government directed facility closings. The Contractor shall at all times maintain an adequate workforce for the timely completion of all tasks defined within this PWS. When hiring personnel, the Contractor shall keep in mind that the stability and continuity of the workforce is essential.

1.6.5 Place of Performance: The work to be performed under this contract shall be performed primarily at Fort Bliss or the offices of the Contractor.

1.6.6 Type of Contract: The Government will award a firm-fixed price contract.

1.6.7 Security Requirements: The Contractor shall meet applicable security requirements to include Anti-Terrorism (AT) and Operational Security (OPSEC) as specified in guidance and regulations as outlined below.

1.6.7.1 AT Level I Training: All Contractor employees, to include Subcontractor employees, requiring access Army installations, facilities and controlled access areas shall complete AT Level I awareness training within 60 calendar days after contract start date. The Contractor shall submit certificates of completion for each affected Contractor employee and Subcontractor employee, to the COR or to the contracting officer 30 calendar days after completion of training by all employees and Subcontractor personnel. AT level I awareness training is available at the following website: https://atlevel1.dtic.mil/at.

1.6.7.2 Access and General Protection/Security Policy and Procedures: Contractor and all associated sub-contractors employees shall provide all information required for background checks to meet installation access requirements to be accomplished by installation Provost Marshal Office, Director of Emergency Services or Security Office. Contractor workforce must comply with all personal identity verification requirements (FAR clause 52.204-9, Personal

Identity Verification of Contractor Personnel) as directed by DOD, HQDA and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in contractor security matters or processes.

1.6.7.2.1 For contractors requiring Common Access Card (CAC). Before CAC issuance, the contractor employee requires, at a minimum, a favorably adjudicated National Agency Check with Inquiries (NACI) or an equivalent or higher investigation in accordance with Army Directive 2014-05. The contractor employee will be issued a CAC only if duties involve one of the following: (1) Both physical access to a DoD facility and access, via logon, to DoD networks on-site or remotely; (2) Remote access, via logon, to a DoD network using DoD-approved remote access procedures; or (3) Physical access to multiple DoD facilities or multiple non-DoD federally controlled facilities on behalf of the DoD on a recurring basis for a period of 6 months or more. At the discretion of the sponsoring activity, an initial CAC may be issued based on a favorable review of the FBI fingerprint check and a successfully scheduled NACI at the Office of Personnel Management.

1.6.7.2.2 For contractors that do not require CAC, but require access to a DoD facility or installation. Contractor and all associated sub-contractors employees shall comply with adjudication standards and procedures using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (Army Directive 2014-05/AR 190-13), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by COR).

1.6.7.3 iWATCH Training: Contractor and all associated sub-contractors shall brief all employees on the local iWATCH program (including all training requirements provided by the installation Anti-Terrorism Officer (ATO)). This local developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the COR. This training shall be completed within 60 calendar days of contract award and within 60 calendar days of new employees commencing performance with the results reported to the COR no later than (NLT) 60 calendar days after contract award.

1.6.7.4 OPSEC: The Contractor shall develop an OPSEC Standing Operating Procedure (SOP)/Plan within 90 calendar days of contract award, to be reviewed and approved by the responsible Government OPSEC officer, per Army regulation (AR) 530-1, Operations Security. This SOP/Plan shall include the Government's critical information, why it needs to be protected, where it is located, who is responsible for it, and how to protect it. In addition, the Contractor shall identify an individual who will be an OPSEC Coordinator. The Contractor shall ensure this individual becomes OPSEC Level II certified per AR 530-1.

In accordance with AR 530-1, Operations Security, new Contractor employees shall complete Level I OPSEC training within 30 calendar days of their reporting for duty. All Contractor employees shall complete annual OPSEC awareness training. This training may be found at http://cdsetrain.dtic.mil/opsec/ . Certificates of completion shall be provided to the COR within 10 days of course completion.

1.6.7.5 Government Information Systems and Information Awareness Requirements: All Contractor employees with access to a government information system (IS) shall register in the ATCTS (Army Training Certification Tracking System) at commencement of services, and shall successfully complete the DOD Information Assurance (IA) Awareness prior to access to the IS and annually thereafter. All Contractor employees working IA/IT functions must comply with DoD and Army training requirements in DoDD 8570.01, DoD 8570.01-M and AR 25-2 within six months of employment.

1.6.7.6 Physical Security: The Contractor shall be responsible for safeguarding all Government equipment, information and property provided for Contractor use. At the close of each work period, Government facilities, equipment, and materials shall be secured.

1.6.7.6.1 Key Control: The Contractor shall establish and implement methods of making sure all keys/key cards issued to the Contractor by the Government are not lost or misplaced and are not used by unauthorized persons. NOTE: All references to keys include key cards. No keys issued to the Contractor by the Government shall be duplicated. The Contractor shall develop procedures covering key control that shall be included in the Quality Control Plan. Such procedures shall include turn-in of any issued keys by personnel who no longer require access to locked areas. The Contractor shall immediately report any occurrences of lost or duplicate keys/key cards to the KO and COR.

1.6.7.6.1.1 In the event keys, other than master keys, are lost or duplicated, the Contractor shall, upon direction of the KO, re-key or replace the affected lock or locks; however, the Government, at its option, may replace the affected lock or locks or perform re-keying. When the replacement of locks or re-keying is performed by the Government, the total cost of re-keying or the replacement of the lock or locks shall be deducted from the payment due the Contractor. In the event a master key is lost or duplicated, all locks and keys for that system shall be replaced by the Government and the total cost deducted from the payment due the Contractor.

1.6.7.6.1.2 The Contractor shall prohibit the use of Government issued keys/key cards by any persons other than the Contractor employees approved by the COR. The Contractor shall prohibit the opening of locked areas by Contractor employees to permit entrance of persons other than Contractor employees engaged in the performance of assigned work in those areas, or personnel authorized entrance by the COR.

1.6.7.6.2 Lock Combinations: The Contractor shall establish and implement methods of ensuring that all lock combinations are not revealed to unauthorized persons. The Contractor shall ensure that lock combinations are changed when personnel having access to the combinations no longer have a need to know such combinations. These procedures shall be included in the Contractor's Quality Control Plan.

1.6.8 Special Qualifications: See section C.6 of the Basic Contract

1.6.9 Post Award Conference/Periodic Progress Meetings: The Contractor shall attend any post award conference and periodic progress meetings convened by the contracting activity and/or COR. Periodic progress meetings may be conducted periodically to review Contractor's performance. At these meetings the KO will apprise the Contractor of how the Government views the Contractor's performance and the Contractor shall apprise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. These meetings shall be at no additional cost to the Government. The Contractor shall provide meeting minutes within seven calendar days after each meeting for review by the KO and COR.

1.6.10 Contracting Officer Representative (COR): The COR will be identified by separate letter. The COR monitors all technical aspects of the contract and assists in contract administration. The COR is authorized to perform the following functions: assure that the Contractor performs the technical requirements of the contract; perform inspections necessary in connection with contract performance; maintain written and oral communications with the Contractor concerning technical aspects of the contract; issue written interpretations of technical requirements, including Government drawings, designs, and specifications; monitor Contractor's performance and notify both the KO and Contractor of any discrepancies; coordinate availability of Government furnished property; and facilitate site entry of Contractor personnel. A letter of designation issued to the COR, a copy of which is sent to the Contractor, states the responsibilities and limitations of the COR, especially with regard to changes in cost or price, estimates or changes in delivery dates. The COR is not authorized to change any of the terms and conditions of the resulting order.

1.6.11 Certification and Approval of Project Milestones and Deliverables: The COR will be responsible for contract management, inspection, oversight, review, and approval activities. Certification and approval of project milestones by the COR is necessary before distribution of payments. Final acceptance of milestone completion shall include appropriate acceptance of site remediation documentation by regulators. Certification by the Army is contingent upon the Contractor performing in accordance with the terms and conditions of the contract.

1.6.12 Key Personnel: See Section C.6 of the Basic Contract.

1.6.13 Identification of Contractor Employees: The Contractor (to include Subcontractors) shall provide each employee an Identification (ID) Badge, which includes at a minimum, the Company Name, Employee Name and a color photo of the employee. ID Badges for Key Personnel shall also indicate their job title. ID Badges shall be worn at all times during which the employee is performing work under this contract. Each Contractor (to include Subcontractors) employees shall wear the ID Badge in a conspicuous place on the front of exterior clothing and above the waist except when safety or health reasons prohibit. The Contractor (to include Subcontractors) shall be responsible for collection of ID Badges upon completion of the contract or termination of an employee. A listing of issued identification cards shall be furnished to the KO prior to the contract performance date and updated as needed to reflect Contractor and Subcontractor personnel changes. All contract personnel attending meetings, or working in other situations where their Contractor status is not obvious to third parties shall identify themselves as

such to avoid creating an impression in the minds of members of the public that they are Government officials.

1.6.14 Supervision of Contractor Employees: The Government will not exercise any supervision or control over Contractor or Subcontractor employees while performing work under the contract. Such employees shall be accountable solely to the Contractor, not the Government. The Contractor, in turn, shall be accountable to the Government for Contractor or Subcontractor employees.

1.6.15 Contractor Travel: See Section C.8.2 of the Basic Contract.

1.6.16 Other Direct Costs: This category includes travel (outlined in 1.6.15), document reproduction, and shipping expenses associated with providing the environmental remediation services in this PWS.

1.6.17 Data Rights: See Section C.8.9.1 of the Basic Contract. In addition, the Contractor shall ensure that all documents or reports produced by the Contractor are suitably marked as Contractor products or that Contractor participation is appropriately disclosed.

1.6.18 Organizational Conflict of Interest: See Section C.8.12 of the Basic Contract.

1.6.19 Phase In /Phase Out Period: Not applicable.

1.6.20 Stop Work: Section C.8.10.1 of the Basic Contract covers this issue and applies to this task order. Note: CWM, and radiological materials are not anticipated to occur nor covered under the work in this task order.

1.6.21 Environmental Responsibility Considerations: The Contractor shall comply with section C.8.11 of the Basic Contract.

1.6.22 Noncompliance: Any incident of noncompliance noted by the Contractor shall immediately be brought to the attention of the COR and KO telephonically and then by written notice. Nothing in this contract shall relieve the Contractor of its responsibility to comply with applicable laws and regulations.

PART 2
DEFINITIONS AND ACRONYMS

2. General: The following definitions and acronyms may apply to this task order.

2.1 Definitions: The following definitions may apply to this task order.

2.1.1 Approved Variances: Refers to the ability to make in the field revisions to planned field work as outlined in the approved Work Plan. These revisions must be coordinated with COR and may require regulator approval prior to acceptance of change.

2.1.2 Contractor: A supplier or vendor awarded a contract to provide specific supplies or services to the Government. The term used in this contract refers to the prime.

2.1.3 Contracting Officer (KO): A person with authority to enter into, administer, and/or terminate contracts, and make related determinations and findings on behalf of the Government. Note: The only individual who can legally bind the Government.

2.1.4 Contracting Officer Representative (COR): An employee of the U.S. Government appointed by the contracting officer to administer the contract. Such appointment shall be in writing and shall state the scope of authority and limitations. This individual has authority to provide technical direction to the Contractor as long as that direction is within the scope of the contract, does not constitute a change, and has no funding implications. This individual does NOT have authority to change the terms and conditions of the contract.

2.1.5 Defective Service: A service output that does not meet the standard of performance associated with the Performance Work Statement.

2.1.6 Deliverable: Anything that can be physically delivered, but may include non-manufactured things such as meeting minutes or reports

2.1.7 Exit Strategy/Ramp-Down Strategy and Optimization: Trend analysis of historical and current data and/or other quantitative (such as future costs to the Army) or qualitative considerations that will lead to a reduction in the requirements themselves or the timeframe in which those requirements are to be achieved in a cost effective manner.

2.1.8 Government-Furnished Property: Property in the possession of the Government made available to the Contractor to use on this task order.

2.1.9 Land Use Control (LUC): Any type of physical, legal, or administrative mechanism that restricts the use of or limits access to real property to prevent or reduce risks to human health and the environment. Physical mechanisms encompass a variety of engineered remedies to contain or reduce contamination and physical barriers to limit access to property, such as fences or signs. The legal mechanisms used for LUCs are generally the same as those used for institutional controls as discussed in NCP. Legal mechanisms include restrictive covenants, negative

easements, equitable servitudes, and deed notices. Administrative mechanisms include notices, adopted local land use plans and ordinances, construction permitting, or other land use management systems to ensure compliance with use restrictions.

2.1.10 Physical Security: Actions that prevent the loss or damage of Government property.

2.1.11 Project-Related Information: Includes all previous environmental restoration documentation of a technical nature developed by the Army and previous Army Contractors for the sites specified in this PWS, and all the documentation developed by the Contractor in order to achieve the performance objectives specified in this PWS.

2.1.12 Quality Assurance: The Government procedures to verify that services being performed by the Contractor are acceptable in accordance with established standards and requirements of this contract.

2.1.13 Quality Control: All necessary measures taken by the Contractor to assure that the quality of an end product or service shall meet contract requirements.

2.1.14 Remedial Action – Construction (RA-C): The period of time in which a response action is being implemented but is not yet operating as designed. At the end of this phase of work, a remedy is in place and should be operating as designed in order to achieve the remedial action objectives at some point in the future.

2.1.15 Remedial Action-Operation (RA-O): The period of time that a selected remedy must operate before achieving remedial action objectives. At the end of this phase of work, the response is complete.

2.1.16 Remedial Design (RD): During the RD phase, the DoD Component shall develop the design plans and specifications of the selected alternative. The RD shall include a LUC implementation plan, if LUCs are a required element of the selected remedial action.

2.1.17 Response Complete (RC): A milestone signifying that the DoD Component has met the remedial action objectives for a site, documented the determination, and sought regulatory agreement. RC signifies that DoD has determined at the end of the PA/SI or RI that no additional response action is required; achieved RIP and the required RA-O has achieved the remedial action objectives; or where there is no RA-O phase, then the RA-C has achieved the remedial action objectives.

2.1.18 Remedy in Place (RIP): Designation that a final remedial action has been constructed, is functional, and is operating as planned in the remedial design and would be expected to meet the remedial action objectives detailed in the decision document.

2.1.19 Site Closeout (SC): The stage at which active management and monitoring at an environmental restoration site is complete, and no additional environmental restoration funds will be expended at the site. SC occurs when environmental restoration goals have been achieved

that allow unlimited use with unlimited exposure of the property (e.g., no further LTM, including LUCs, is required).

2.1.20 Subcontractor: One that enters into a contract with a prime Contractor. The Government does not have privity of contract with the Subcontractor.

2.2. Acronyms: The following acronyms may apply to this task order.

AEDB-R	Army Environmental Database - Restoration Module
AR	Army Regulation
AT	Anti-Terrorism
ATO	Anti-Terrorism Officer
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLIN	Contract Line Item Number
CMI(O)	Corrective Measures Implementation (Operations)
CMR	Contract Manpower Reporting
CONUS	Continental United States (excludes Alaska and Hawaii)
COR	Contracting Officer Representative
CWM	Chemical Warfare Materiel
DA	Department of the Army
DD	Decision Document
DD250	Department of Defense Form 250 (Receiving Report)
DD254	Department of Defense Contract Security Requirement List
DDESB	Department of Defense Explosives Safety Board
DERP	Defense Environmental Restoration Program
DFARS	Defense Federal Acquisition Regulation Supplement
DMDC	Defense Manpower Data Center
DOD	Department of Defense
DOD ELAP	DOD Environmental Laboratory Accreditation Program
DODI	DOD Instruction Number
EMS	Environmental Management System
ESP	Explosives Site Plan
ESS	Explosives Safety Submission
ERIS	Environmental Restoration Information System
ERMA	Environmental Remediation Multiple Award
FAR	Federal Acquisition Regulation
FFP	Firm Fixed Price
FPCON	Force Protection Condition
GFP	Government-Furnished Property
HQAES	Headquarters Army Environmental Systems
HQDA	Headquarters, Department of Army
HSP	Health and Safety Plan
ID	Identification Badge
IRIS	Integrated Risk Information System
IRP	Installation Restoration Program

KO	Contracting Officer
LUC	Land Use Control
LTM	Long-Term Management
MCL	Maximum Contaminant Limit
MEC	Munitions and Explosives of Concern
NCP	National Contingency Plan
NLT	No later than
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NOD	Notice of Disapproval
OCI	Organizational Conflict of Interest
ODC	Other Direct Costs
OPSEC	Operational Security
OSHA	Occupational Safety and Health Administration
P/C	Pollutants or contaminants
PBA	Performance-Based Acquisition
PMP	Project Management Plan
POC	Point of Contact
POP	Period of Performance
PP	Proposed Plan
PRS	Performance Requirements Summary
PWS	Performance Work Statement
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QASP	Quality Assurance Surveillance Plan
QC	Quality Control
QCP	Quality Control Plan
RAB	Restoration Advisory Board
RA-C	Remedial Action - Construction
RA-O	Remedial Action - Operations
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
READ	Repository of Environmental Documents
RfD	Reference Dose
RIP	Remedy In Place
ROD	Record of Decision
ROE	Right of Entry
RTOP	Request for Task Order Proposal
SAP	Sampling and Analysis Plan
SARA	Superfund Amendments and Reauthorization Act
SC	Site Closure
SOP	Standard Operating Procedure
TCE	Trichloroethylene
TCEQ	Texas Commission for Environmental Quality

USATCES	U.S. Army Technical Center for Explosives Safety
UFP-QAPP	Uniform Federal Policy for Quality Assurance Project Plans
USACE EMCX	United States Army Corps of Engineers Environmental and Munitions Center of Expertise
USEPA	United State Environmental Protection Agency
UST	Underground Storage Tank

PART 3
GOVERNMENT-FURNISHED PROPERTY, EQUIPMENT, AND SERVICES

3. Government Furnished Resources: The Government will comply with the Basic Contract.

- The Government will furnish space and logistical support for all RAB meetings.
- The Government will provide a lay-down area for contract equipment and/or temporary office upon contractor written request to the COR and Installation.

PART 4
CONTRACTOR FURNISHED ITEMS AND SERVICES

4. Contractor Furnished Items and Responsibilities: The Contractor shall possess and supply personnel with the required expertise and knowledge, equipment, tools and any other resources required to meet or exceed the contract requirements of this PWS in accordance with established industry standards and regulatory requirements. The Contractor shall determine the requirements for licensed professionals and certifications and provide all required training necessary for compliance with regulations. The Contractor shall obtain all permits, licenses, approvals, and/or certificates required or necessary to accomplish the work.

When the work to be performed requires facility clearances, such as digging or drilling permits, the Contractor shall obtain such clearances and/or permits, prior to any drilling or excavating operations. The Contractor shall coordinate all such work with Installation maintenance personnel prior to performing work. Contractors shall perform required utility checks using all applicable means. The Contractor shall comply with all Installation or site-specific time and procedural requirements (Federal, state, and local) described in the permits obtained.

The Contractor shall provide all support activities necessary to ensure the safe and effective accomplishment of all work required to meet the contract requirements of this PWS. In addition, the Contractor shall be responsible for the items listed in Section C.8.4 of the Basic Contract and the following items:

- All solid and hazardous waste generated under this contract shall be the responsibility of the Contractor. This includes removal, proper disposal, and all required associated paperwork.

- The Contractor shall be responsible for any damage caused to property of the United States (Federal property) by the activities of the Contractor under this contract and shall exercise due diligence in the protection of all property located on the premises against fire or damage from any and all other causes. Any property of the United States damaged or destroyed by the Contractor incident to the exercise of the privileges herein granted shall be promptly repaired or replaced by the Contractor to a condition satisfactory to the COR or reimbursement is to be made by the Contractor sufficient to restore or replace the property to a condition satisfactory to the COR.

- A dig permit is required for any intrusive work.

- Contractor is responsible for furnishing space and logistical support (e.g. equipment) for all meetings except the RAB.

4.1 Deliverables and Review Schedule

All documents must be produced as Draft, Draft-Final, and Final versions, except for the PMP or unless otherwise stated. The Contractor shall establish an ftp or SharePoint site, or similar vehicle, to allow for exchange and review of electronic versions of the draft, draft final, and final documents by the stakeholders. **Ten (10) copies of each final deliverable are required (hard copy with one CD/DVD per hard copy). Two (2) additional CD/DVDs with fully editable versions of the all project data and Final documents will be provided.** With COR concurrence, the Contractor may coordinate with appropriate agencies to determine if fewer versions of each deliverable are sufficient for review. The Government (primarily USACE, USAEC and Fort Bliss), through the COR, will receive draft documents and coordinate review and comments. Once initial comments are addressed, the Government and TCEQ will review draft final and final documents allowing 45 calendar days for review per deliverable. NMED only reviews final documents per published review schedules (NMAC 20.4.2.208).

PART 5
SPECIFIC TASKS

5. Specific Tasks: The specific tasks required to meet the contract requirements of this task order include all of the items in the Environmental Remediation Multiple Award (ERMA) Basic Contract PWS with exceptions/clarifications as noted below:

5.1 Performance Thresholds: The following performance thresholds apply to this task order.

5.1.1 Project Management and Schedule: The Contractor shall comply with Section C.4 of the Basic Contract. The Contractor shall update the PMP annually or more frequently, as warranted. The performance threshold for the schedule is there shall be no schedule slippage deemed the fault of the Contractor for which the Contractor does not present a viable plan to make up the lost time.

5.1.2 Health and Safety Requirements: The Contractor shall comply with Section C.5.7.1 of the Basic Contract. The performance threshold for the health and safety requirements is zero Class C safety violations where the Contractor is determined at fault.

5.1.3 Approval of Deliverables: The Contractor shall comply with Sections C.5.17 of the Basic Contract regarding approval of the deliverables. All documents shall be produced with at least draft, draft-final, and final versions except the PMP. The performance threshold for approvals may be no more than two (2) revisions of deliverables for either Army or Regulator comments.

5.1.4 Site Plans: The Contractor shall comply with Section 5.12 of the Basic Contract. The performance threshold for fieldwork activities is 100% compliance with the Final Plans and SAP, and the approved variances.

5.1.5 Analytical Quality Control: The Contractor shall comply with Section C.5.9 of the Basic Contract. The performance threshold for sample results is 100% compliance with Quality Assurance/Quality Control (QA/QC) requirements established in the approved Quality Assurance Project Plan (QAPP) and Sampling and Analysis Plan (SAP).

5.2 Project Information Repositories and Administrative Record: the Contractor shall comply with Section C.5.10 of the Basic Contract. The Project Information Repository is currently maintained at Fort Bliss. The Administrative Record/Information Repositories for DERP activities are located at Fort Bliss.

5.3 Army Environmental Database and Environmental Restoration Information System: The Basic Contract Section C.5.11 describes these requirements. The Army may transition to a new database system to replace their current information systems during this task order. The Army, through the COR, will provide data specifications for the systems as warranted. The Contractor shall comply with all applicable requirements for data validation and submission based on the COR-supplied requirements.

5.4 Project Stakeholders and Regulatory Involvement: The Basic Contract Sections 5. 14 and 5.15 describe these requirements. For this task order, project stakeholders and the Regulators involved pursuant to Section C.5.14 and C.15 of the Basic Contract include the Army and the following listed in Appendix B of this PWS.

5.5 Public Involvement: The Basic Contract Section 5.16 describes this requirement. The Contractor shall provide personnel who can (1) effectively present complex technical issues to the U.S. Government personnel; (2) present the U.S. Government's position to public and media officials regarding those issues in terms the public can understand, and (3) possess the necessary technical skills to execute the activities included under the TO. In addition, the Contractor shall provide presentations of data or attend meetings to discuss the work completed in this task order. The Contractor shall make no public announcements or disclosures relative to information contained or developed under this contract, except as requested by the COR. This also applies to U.S. Government-owned information made available to the Contractor.

Contractors should note that the Installation has an active Restoration Advisory Board (RAB). The Contractor shall support the Army during RAB meetings and shall provide briefings and presentations in support of these meetings.

The Contractor is not responsible for development of the Community Relations Plan (CRP) nor the Community Involvement Plan (CIP) for the Installation. However, the Army COR may request input/updates from the Contractor if either of these plans are updated by others.

5.6 Contractor's Guarantee and Insurance Specifications: Section C.8.5 and C.8.6 covering the Contractor's Guarantee and Insurance Specifications, respectively, do not apply to this task order.

5.7 CERCLA Section 121 (c) five-year and/or Army periodic reviews: The Contractor shall not complete the review as it will be completed by the United States Army Corps of Engineers Environmental and Munitions Center of Expertise (USACE EMCX). The Contractor shall be responsible for supporting the completion of the review by, at a minimum, providing the data the USACE EMCX will need in the format specified by the COR; review and comment on the draft

and draft-final review reports; and participate in the kick off call, site walk and interviews, if requested by the COR.

5.8 Delivered Equipment: All equipment delivered and installed during this task order shall become property of the U.S. Government at the end of the contract.

5.9 Contractor Manpower Reporting (CMR): The clause "ACCOUNTING FOR CONTRACT SERVICES REQUIREMENT" in the Basic Contract covers this requirement.

5.10 Remedial Action Operations (RA-O)/Corrective Measures Implementation Operations (CMI-O): During RA-O/CMI-O the Contractor shall operate, maintain, optimize, and complete any required activities for the remediation system and site, including groundwater monitoring and monitored natural attenuation (MNA) requirements, until remedial action objectives in the approved decision document are achieved. The Contractor shall also implement, manage, and/or complete maintenance on land use controls (LUCs) if part of the remedial action. If wells are monitored as part of RA-O/CMI-O, the Contractor must maintain any wells required for on-going sampling efforts and properly abandon any wells that are no longer required in accordance with applicable regulations. Maintenance of wells includes replacement of wells that no longer function as intended and installation of new wells if required for the RA-O/CMI-O. The Contractor shall be responsible for implementing optimization efforts through the duration of the task order. The Contractor shall annually provide an exit strategy/ramp-down strategy and discuss any optimization efforts planned and completed in the RA-O/CMI-O reports. Note: there could be operations efforts occurring pre-remedy/pre-decision, in which case, the same requirements apply.

5.11 Long-Term Management (LTM): Following achievement of the RC milestone, LTM may be required to monitor long-term protectiveness of the remedy. LTM is required when meeting the remedial action objectives do not allow unrestricted use of the property. Activities during LTM may involve monitoring site conditions and implementing/managing LUCs. If wells are monitored as part of monitoring site conditions, the Contractor shall maintain any wells required for on-going sampling efforts and shall properly abandon any wells that are no longer required in accordance with applicable regulations. Maintenance of wells includes replacement of wells that no longer function as intended and installation of new wells if required for the LTM activities. The Contractor shall annually provide an exit strategy/ramp-down strategy and discuss any optimization efforts planned and completed in the required reports of monitoring results.

5.12 Groundwater Monitoring: Groundwater monitoring may be required during any phase of the CERCLA process to ensure there are no data gaps during future steps in the remediation process. The Contractor must maintain any wells required for the groundwater monitoring efforts and properly abandon any wells that are no longer required in accordance with applicable regulations. Maintenance of wells includes replacement of wells that no longer function as intended and installation of new wells if required for the groundwater monitoring.

5.13 UXO Requirements: Completion of any contract service requirement may require working in hazardous areas which may have been contaminated with UXO. The UXO may be found

throughout the Installation. Pursuant to this task, the Contractor shall conduct visual sweeps of defined areas for UXO. When UXO is detected and identified the Contractor shall immediately report this to the COR along with Fort Bliss EOD Response team. The location of the UXO will be marked with marker flag. The Contractor shall allow the Government Explosive Ordnance Disposal (EOD) personnel sufficient time to accomplish field evaluation, and render safe, recover and dispose of UXO per incident when an UXO is detected and identified. Contractor shall determine safe observation distance and safe operating conditions prior to resuming work.

PART 6
APPLICABLE PUBLICATIONS

6. APPLICABLE PUBLICATIONS

6.1 Environmental Requirements: The Contractor shall perform all the necessary environmental remediation work as required to meet the contract requirements of this PWS in a manner that is consistent with the regulatory drivers listed in Section1.2 of this PWS along with any applicable orders or permits, all previously agreed-upon agreements or guidance at each site, and consistent with all relevant Department of Defense (DoD) and Army policies. The Contractor shall identify applicable Federal, state and local laws and regulations; applicable Installation-specific orders, agreements, or rules; and perform its work in accordance with said authorities.

6.2 MEC: Work on sites contaminated or potentially contaminated with MEC must adhere to DOD Manual 6055.09-M, Ammunition and Explosive Safety Standards Criteria for Unexploded Ordnance, Munitions Response, Waste Military Munitions, and Material Potentially Presenting an Explosive Hazard; DOD 4145.26-M, DOD Contractor's Safety Manual For Ammunition and Explosives; Army Regulation 385-10, the Army Safety Program; Department of the Army Pamphlet 385-63, Range Safety; Department of the Army Pamphlet 385-64, Ammunition and Explosives Safety Standards, DODI 4140.62 and Department of Defense Explosive Safety Board (DDESB) Technical Paper 18 and any updates of these documents made during the period of performance.

6.3 Environmental Management System (EMS): The Contractor shall review and fully understand "Executive Order 13423 -- Strengthening Federal Environmental, Energy, and Transportation Management," in particular those requirements pertaining to the EMS. The Contractor shall also be required to submit in writing that they shall review and adhere to the installation's environmental management system, including the environmental policy and significant aspects / impacts. These items will be provided by the COR, upon request.

Appendix A

Performance Requirements Summary

Performance Objective	Performance Standards	Performance Threshold	Incentive/Disincentives
Health and Safety: PWS Para 5.1.2. The Contractor shall maintain Health and Safety Requirements.	Compliant with applicable federal, state, and local laws and regulations	Zero Class C safety violations where the contractor is determined at fault.	Trends of less than acceptable performance could result in termination of task order and/or negative CPARs ratings.
Schedule: PWS Para 5.1.1. The Contractor shall meet the schedule requirements of the PMP.	Compliant with this PWS, NMED, TCEQ state Regulator(s), and all applicable federal, state, and local laws and regulations.	No slippage deemed the fault of the contractor for which the Contractor does not present a viable plan to make up the lost time.	Failure to meet the Performance-Based Milestones/Objectives could result in nonpayment, termination of the task order, and/or negative CPARs ratings.
Approval of Deliverables: PWS Para 5.1.3. The Contractor shall obtain Army and Regulatory approval of all project deliverables.	Compliant with this PWS, NMED, TCEQ state Regulator(s), and all applicable federal, state, and local laws and regulations.	No more than two (2) revisions of deliverables for either Army or Regulator comments.	Failure to complete compliant documents could result in mission failure or schedule delay which would result in nonpayment for work toward the applicable CLINs, termination of the task order, and/or negative CPARs ratings.

Performance Objective	Performance Standards	Performance Threshold	Incentive/Disincentives
Field Activities: PWS Para 5.1.4. The Contractor shall perform all field work and sampling activities required in this PWS in compliance with accepted industry standards, approved site plans, and Army and Regulatory approvals.	Performed in compliance with the Final Work Plans/SAP. Though field changes are acceptable due to site conditions, these changes must first be approved by the COR, and upon COR's discretion by Regulators.	100% compliance with the Final Plans and SAP, and the approved variances.	If field work is not completed in accordance with the Final Work Plans, SAP and any approved variances, the contractor may be required to re-work/re-sample at their cost to ensure completion of performance objectives. Additionally, failure to receive approval of field changes may result in negative CPARs ratings.
Sample Results: PWS Para 5.1.5. Sample results shall be acceptable to the Army and Regulators.	Sample results shall meet quality assurance goals/requirements to include any applicable SOPs.	100% compliance with QA/QC requirements established in the QAPP and SAP.	Failure to have sample results which fall within QA/QC requirements could result in contractor re-sampling at their cost, schedule delay or mission failure. Failure to meet the Performance-Based Milestones/Objectives could result in nonpayment, termination of the task order, and/or negative CPARs ratings.

Appendix B

Regulatory Agencies

Texas Commission for Environmental Quality (TCEQ)
New Mexico Environment Department (NMED) Hazardous Waste Bureau
United States Environmental Protection Agency (USEPA) Region 6

Stakeholders

- Texas Parks and Wildlife
- Border Patrol
- Chihuahuan Desert Education Coalition
- City of El Paso
- Comanche Nation
- El Paso County
- El Paso Districts
- El Paso Water Utilities
- Franklin Mountains Wilderness Coalition
- Franklin Mountains State Park
- Fort Bliss Restoration Advisory Board
- Frontera Land Alliance
- Kiowa Tribe of Oklahoma
- Mescalero Apache Tribe
- Pueblo of Isleta
- Senators, Congressmen, and Congressional Candidates
- Texas Department of Transportation
- Texas Parks and Wildlife
- University of Texas at El Paso
- Ysleta Del Sur Pueblo

APPENDIX B
FIELD NOTES AND FIELD FORMS

This Appendix includes the notes and forms collected during the performance of both the Biggs OB/OD Site I and Biggs OB Site II.

Date 3/1/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Total Transect Linear ft completed today		
Total DGM area covered today Today		
Total Industrial debris recovered today lbs		
Total Munition Debris (MD)recovered today lbs		
Muntions Identified		
MEC found today (ea)		
MEC Turned over today (ea)	0	

Instructions Received From Customer Representative

Daily Narrative

The temperature ranged from a low of 55F to a high of 69F, Light winds, mostly clear. Safety brief conducted by Gerry Hills, OESS Dennis Meyers present. Weekly topic: site cleanliness, site specific: Minimum of two people when in the work zone at all times, proper PPE. Work began 0630, located proposed site of the IVS, UXO team performed an mag assisted sweep for ferrous/non-ferrous anomalies: none found. GPS base station was installed and verified, Began placing the perimiter stakes at site 1 for the surface sweep and data collection. No issues to report.

Date 3/2/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	3790	Surface sweep of Area 2 of OB/OD Area site 1 completed
DGM Transect collected Linear ft	NA	
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	2	
Total Munition Debris (MD) recovered today lbs	0	
Total MPPEH Recovered lb.		
Muntions Identified		
MEC found today (ea)	0	
MEC Turned over today (ea)	0	
Instructions Received From Customer Representative		

Daily Narrative
The temperature ranged from a low of 42F to a high of 67F, Clear throughout the day. Arrived on site 0630, Safety brief conducted by Gerry Hills, 9 attendees. Site specific topics: MEC safety, Hydration, PPE. Installed IVS and conducted test with EM-61 and ferrous/non-ferrous metal detectors. Installation of stakes on the primary area (Area 1 see attached map) continued. Area 2 was staked and surface swept and is ready for data collection.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/002	DAY	Thrusday	Date:	March 2, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas			**Contract No.:** **Task Order No.:**	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy **Temperature:** 46°F **Min.** 72°F **Max.**

Wind: ☐ Calm ☑ Breeze ☐ Windy **Precipitation:** **Rain** 0 **Snow** 0

Weather Information Source: www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	10.0	20.0	Cape	SUXOS
2	(b) (6)	10.0	20.0	Cape	UXOSO/UXOQC
3	(b) (6)	10.0	20.0	Cape	TECH III
CAPE UXO					
4	(b) (6)	10.0	20.0	Cape	UXO Tech II
5	(b) (6)	10.0	20.0	Cape	UXO Tech II
6	(b) (6)	10.0	20.0	Cape	UXO Tech II
7	(b) (6)	10.0	20.0	Cape	UXO Escort
8					
Subcontractor(s)					
9	(b) (6)	10.0	20.0	Parsons	Field Technician
10	(b) (6)	10.0	20.0	Parsons	Geophysicist
	Total Hours:	90.0	180.0		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Safety Check	Days on Rent	Hours Used	Hours Idle	Hours Repair

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	IVS completed and verified with DGM equipment
b	Surface clearance of Area 2. (No MPPEH or MDAS found) (See Attached Map)
c	Continued installing stakes delineating boundaries and transect end points in Site 1
d	UXO team members passed an analog proficiency test IAW WP.
e	Blind seed placed in Lane 7 of Area 2. UXO team found seed.
f	
g	
h	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/002	DAY	Thrusday	Date:	March 2, 2017

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	
b	Vegetation Removal	02/28/17	03/01/17	
c	DGM Operations	02/28/17	03/01/17	
d	Surface MEC Clearance	02/28/17	03/01/17	
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	
f				

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Matrix	Sample ID No.	Analyses Requested	Comments

Geotechnical and Material Testing:

Type of Testing Performed	Test Date	Results of Testing	Comments

Field Screening:

Type of Testing Performed	Test Date	Results of Testing	Comments

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
None		

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐ Yes ☐ No
b							☐ Yes ☐ No
c							☐ Yes ☐ No
d							☐ Yes ☐ No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/002	DAY	Thrusday	Date:	March 2, 2017

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X						

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	
f	
g	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration, Buddy System

Were all activities conducted in accordance with EM 385-1-1?	X	**YES**	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Surface sweep of Area 3

Continue staking boundaries and transect lines of Site I

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	90.0	Number of On-site Workdays:	2
Cumulative safety hours to date:	180.0	Calendar Days since Start of Work:	2

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be noted above.

(b) (6)

[redacted]

2-Mar-17
Date

2-Mar-17
Date

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 2, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME IN	TIME OUT	(b) (6)	ORGANIZATION
0630	1700	[redacted]	CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		Parsons
0630	1700		CAPE
0630	1700		Cape
0630	1700		CAPE
0630	1700		CAPE
0630	1700		Parsons

CAPE Form 320-1, Revised January, 2009

CAPE

TAILGATE SAFETY MEETING RECORD

Day / Date: Thursday, March 2, 2017	**Time: 0630**
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location: Texas**
Specific Location: Ft Bliss, Texas	
Work Description: Site Setup; Surface Clearance	
Comments: WEEKLY TOPIC: Housekeeping	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards:

Physical Hazards:

1. Slips, trips and falls.
2. Proper Lifting techniques
3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Buddy system. Work in groups of no less than 2 people.**
2. **Good Housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

SAFETY MEETING ATTENDEES

	Name Printed / Initial
(b) (6) [redacted]	8. CORY BAST CB
	9.
	10.
	11.
	12.
	13.
	14.
	, UXOS (b) (6) [redacted]

DAILY STATUS REPORT

Contract No.: W91ZLK-13-D-0003
Delivery Order: 0003
Project Location: Fort Bliss, El Paso County, Texas
Project Name: Environmental Remediation Services at Four Installation Remedial Program Sites and Military Munitions Program Sites Fort Bliss, Texas
CAPE PM: Benjamin Shiver
Parsons PM: Laura Arciniaga
Project/Site Geophysicist: Brett Lyons
CAPE SUXOS: George Payne
CAPE UXOSO/QC: Gerry Hills

Report Date: 03/02/2017

1. COMPLETION STATUS OF SITE ACTIVITIES

Activity	Activity	% Completion
Geophysical Prep-Work	IVS Established	**100**
	IVS Report	
	Mark transect lines – Site I	**4**
	Surface Clearance – Site I	**4**
Geophysical Survey	DGM Transect Lines – Site I	
	DGM Radial Transect Lines – Site I	
	DGM Transect Lines – Site II	
Intrusive Investigations	Single-point Anomaly Investigations	
	Disposal Feature Investigations	
Incremental Sampling (Phase I)	Site I SUs (8 total)	
	Ambient SUs (3 total)	
	Site II SUs (3 total)	
Phase II Incremental Sampling		

2. DAILY PRODUCTION

Site	Activity	Daily Total Performed (LF/# anomalies/# samples/etc.)
OB/OD I	Surface Clearance	3790 Feet

3. DAILY REPORT

Finished assembly of the electronics on the EM61 tow vehicle. Peformed background survey over the proposed IVS and constructed the IVS. Initial IVS tests peformed to establish the expected values for the project. Team worked on staking out the end points of the transects of the large MEC investigation area of OB/OD Site I. Surface sweep was completed on the southern MEC investigation area of OB/OD Site I.

4. DAILY INSPECTIONS CONDUCTED

NA

5. DEPARTURES FROM THE FIELD SAMPLING AND ANALYSIS PLAN

NA

6. INCIDENTS/ACCIDENTS/NEAR MISSES

NA

7. WEATHER

Sunny High 69ºF, Wind 15mph

8. OPERATIONS PLANNED FOR NEXT WORK DAY

Finish staking out end points of the small MEC investigation area of OB/OD Site I and conduct surface sweep. Begin marking/driving the lanes for surface clearance at the large MEC investigation area of OB/OD Site I.

9. DEMOLITION MATERIALS ACCOUNTING

NA

10. DETAILED MEC LISTING

NA

11. PERSONNEL ON SITE (EXCLUDING VISITORS)

Name	Position	Organization	On-Site (yes/no)	Comments
(b) (6) [redacted]	Geophysicist	Parsons	Yes	
	Field Tech	Parsons	Yes	
	SUXOS	CAPE	Yes	
	UXOSO/QC	CAPE	Yes	
	UXO Tech 3	CAPE	Yes	
	UXO Tech 2	CAPE	Yes	
	UXO Tech 2	CAPE	Yes	
	UXO Tech 2	CAPE	Yes	
	UXO Tech 2	CAPE	Yes	

		CAPE		

12. SITE VISITORS

Name	Organization	Purpose of Visit	Date of Safety Brief

13. EQUIPMENT ON-SITE

(b) (6)

Equipment	Vendor		Date on Site	Date off Site
RTV	Ahern		2/28/17	TBD
RTK GPS	WDS		2/27/17	TBD
EM61 Towed Array	Parsons		2/27/17	TBD

*May be recorded weekly.

14. EXPOSURE DATA – COMPLETE ON FRIDAYS

Date	Organization	# of Staff on-Site	Total Man-hours (Week)	Total Vehicle Miles (Week)	# of Accidents (Week)
3/3/2017	Parsons				
	CAPE				
3/10/2017	Parsons				
	CAPE				
3/17/2017	Parsons				
	CAPE				
3/24/2017	Parsons				
	CAPE				
3/31/2017	Parsons				
	CAPE				
4/7/2017	Parsons				
	CAPE				
4/14/2017	Parsons				
	CAPE				

Date 3/6/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	NA	
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 9 attendees. Site specific topics: MEC safety, Hydration, PPE. Winds were approximately 25 MPH. By 0830 the wind speeds had increased to 40 to 45 MPH. Upon learning that the airfield had called a Red Flag for winds and visibility had decreased. The Site Safety along with the SUXOS called the day for safety reasons.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/004	DAY	Monday	Date:	March 6, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	Contract No.: Task Order No.:	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy Temperature: 59°F Min. 77°F Max.

Wind: ☐ Calm ☐ Breeze ☑ Windy Precipitation: Rain 0 Snow 0

Wind Speed: 42 mph Weather Information Source: www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	2.0	32.0	Cape	SUXOS
2	(b) (6)	2.0	32.0	Cape	UXOSO/UXOQC
3	(b) (6)	2.0	32.0	Cape	TECH III
CAPE UXO					
4	(b) (6)	2.0	32.0	Cape	UXO Tech II
5	(b) (6)	2.0	32.0	Cape	UXO Tech II
6	(b) (6)	2.0	32.0	Cape	UXO Tech II
7	[redacted]	2.0	32.0	Cape	UXO Escort
8					
Subcontractor(s)					
9	(b) (6)	2.0	32.0	Parsons	Field Technician
10	(b) (6)	2.0	32.0	Parsons	Site/Project Geophysicist
	Total Hours:	18.0	288.0		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - ZJP-9002	3/3/2017		03/06/17	3	2	8	
Chevy Silverado- Black - ZHG-4093	3/3/2017		03/06/17	3	2	8	
Nissan Titan 4x4	2/28/2017		03/06/17	6	2	8	
Dodge Ram 2500 ProMaster Van	2/28/2017		03/06/17	6	2	8	
Cushman Hauler 4x4 Utility Cart	3/3/2017		03/03/17	3	0	10	
Cushman Hauler 4x4 Utility Cart	3/1/2017		03/03/17	5	0	10	
RTK GPS	2/28/2017		03/03/17	6	0	10	
EM61 Towed Array	2/28/2017		03/03/17	6	0	10	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Site closed due to high winds and blowing dust. High wind advisory issued by USAF Weather Service from 0630 to 1500 local time.
b	
c	
d	
e	
f	
g	
h	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/004	DAY	Monday	Date:	March 6, 2017

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	
c	DGM Operations	02/28/17	03/01/17	
d	Surface MEC Clearance	02/28/17	03/01/17	03/03/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/03/17
f				

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Matrix	Sample ID No.	Analyses Requested	Comments

Geotechnical and Material Testing:

Type of Testing Performed	Test Date	Results of Testing	Comments

Field Screening:

Type of Testing Performed	Test Date	Results of Testing	Comments

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐ Yes ☐ No
b							☐ Yes ☐ No
c							☐ Yes ☐ No
d							☐ Yes ☐ No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/004	DAY	Monday	Date:	March 6, 2017

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X						

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	
f	
g	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration, Emergency Procedures

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Begin surface sweep or Area 1.
Continue marking transect boundaries in Area 1.

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	18.0	Number of On-site Workdays:	4
Cumulative safety hours to date:	288.0	Calendar Days since Start of Work:	**7**

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be noted above.

(b) (6)

[redacted]

6-Mar-17
Date

6-Mar-17
Date

6-Mar-17
Date

CAPE

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 6, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME		(b) (6)	ORGANIZATION
IN	OUT		
0630	0830		CAPE
0630	0830		CAPE
0630	0830		CAPE
0630	0830		CAPE
0630	0830		USACE
0630	0830		PARSONS
0630	0830		PARSONS
0630	0830		CAPE
0630	0830		CAPE
0630	0830		CAPE

CAPE Form 320-1, Revised January, 2009

CAPE

TAILGATE SAFETY MEETING RECORD

Day / Date: Monday, March 6, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Texas
Specific Location: Ft Bliss, Texas	
Work Description: Surface Clearance, DGM Operations	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Communications
3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Fatigue.**
2. **Good Housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

(b) (6)

[redacted]

(b) (6)

Date 3/7/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	12,295	Completed transects 69 through 56
DGM Transect collected Linear ft	NA	
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	10	
Total Material Documented As Safes (MDAS) recovered today lbs	65	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 10 attendees. Site specific topics: MEC safety, Hydration. Continued marking the lanes in OB/OD Site 1 area 1. Began surface sweep of marked lanes in area 1. Roll off arrived on site. A visual survey was made of OB/OD Site 2 by Mr. Hills and Mr. Coffindaffer, they determined that a limited surface sweep is required due to surface metals. Work scheduled for 3/8/2017; continue surface sweep of Area 1 in OB/OD 1 and begin DGM data collection of Area 1.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/005	DAY	Tuesday	Date:	March 7, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	Contract No.:	W91ZLK-13-D-0003
		Task Order No.:	0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy Temperature: 46°F Min. 73°F Max.

Wind: ☐ Calm ☑ Breeze ☐ Windy Precipitation: Rain 0 Snow 0

Max Wind Speed: 23 mph Weather Information Source: www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	10.0	42.0	Cape	SUXOS
2	(b) (6)	10.0	42.0	Cape	UXOSO/UXOQC
3	(b) (6)	10.0	42.0	Cape	TECH III
4	(b) (6)	10.0	42.0	Cape	UXO Tech II
5	(b) (6)	10.0	42.0	Cape	UXO Tech II
6	(b) (6)	10.0	42.0	Cape	UXO Tech II
7	(b) (6)	10.0	42.0	Cape	UXO Escort
8					
Subcontractor(s)					
9	(b) (6)	10.0	42.0	Parsons	Field Technician
10	(b) (6)	10.0	42.0	Parsons	Site/Project Geophysicist
	Total Hours:	90.0	378.0		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		03/07/17	4	3	0	
Chevy Silverado- Black - Cape	3/3/2017		03/07/17	4	3	0	
Nissan Titan 4x4 - Parsons	2/28/2017		03/07/17	7	3	0	
Dodge Ram 2500 ProMaster Van - Parsons	2/28/2017		03/07/17	7	3	0	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/07/17	4	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/07/17	6	3	0	5
RTK GPS	2/28/2017		03/03/17	7	8	0	
EM61 Towed Array	2/28/2017		03/03/17	7	3	0	

Comments:

Cushman 4x4 had three flat tires. Rental company replaced tires.

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Removed large metal from Site 1, Area 3. QC accepted.
b	Completed marking transect lines in Area 1 - 65,313 linear feet
c	Completed surface sweep of transects 69 through 56 - 12,295 linear feet
d	
e	
f	
g	
h	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/005	DAY	Tuesday	Date:	March 7, 2017

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete
c	DGM Operations	02/28/17	03/01/17	
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/03/17
f				

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Matrix	Sample ID No.	Analyses Requested	Comments

Geotechnical and Material Testing:

Type of Testing Performed	Test Date	Results of Testing	Comments

Field Screening:

Type of Testing Performed	Test Date	Results of Testing	Comments

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
Surface Sweep QC	Site 1, Area 3	Accept

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐Yes ☐No
b							☐Yes ☐No
c							☐Yes ☐No
d							☐Yes ☐No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/005	DAY	Tuesday	Date:	March 7, 2017

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X						

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	
f	
g	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

Approximately 40 pounds of small arms projectiles were removed from Area 3 of site 1. Immediately to the south of the area is a pile of debris containing the remints of a backstop, target frames and small arms projectiles.

11. Planned Activities: (List anticipated field activities for next day of work)

Continue surface sweep of Site 1, Area 1

Begin collectiing DGM data.

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	90.0	Number of On-site Workdays:	5
Cumulative safety hours to date:	378.0	Calendar Days since Start of Work:	8

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge,

(b) (6)

[redacted]

7-Mar-17
Date

7-Mar-17
Date

7-Mar-17
Date

CAPE[SM]

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 7, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME		(b) (6)	ORGANIZATION
IN	OUT		
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		USACE
0630	1700		PARSONS
0630	1700		Parsons
0630	1700		CAPE
0630	1700		CAPE
0630	1700		Cape

CAPE Form 320-1, Revised January, 2009

TAILGATE SAFETY MEETING RECORD

Day / Date: Tuesday, March 7, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, Texas	
Work Description: Surface Clearance, DGM Operations	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Sun Protection
3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Fatigue.**
2. **Good Housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

(b) (6)

[redacted]

320-6 FOLLOW UP PHASE INSPECTION

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		7-Mar-17	
Project Location:	Ft. Bliss, Texas				
DFW:	Surface Clearance	**Spec Sect.**		**Drawing**	

1. INITIAL PHASE INSPECTION / MEETING ATTENDEES:

	NAME	POSITION	COMPANY / CLIENT
1	(b) (6) [redacted]	UXOQC	Cape
2		SUXOS	Cape
3		UXO Team Leader	Cape
4			
5			
Was Client Representative notified?			☐ Yes ☑ No

2. INITIAL PHASE INSPECTION CHECKLIST:

A. GENERAL ITEMS:

Done	N/A	Description	Results	Action Items
☑	☐	Check preliminary work and review minutes of the Preparatory Inspection / Meeting.		
☑	☐	Check that materials and equipment being used comply with project requirements.		
☑	☐	Check the work to ensure it is full compliance with the project requirements.		

B. CONTROLS TO ASSURE FULL COMPLIANCE:

		Controls	Testing
☑	☐	☑ QC Officer Observations ☐ Qualified Inspector ☐ 3rd Party Inspection & Testing ☐ Other, _____	☐ Checked Testing procedure ☐ Checked Instrumentation Calibration ☐ Checked recording Forms & Tracking ID No. ☑ None

C. ESTABLISH LEVEL OF WORKMANSHIP:

☑	☐	Work Location: **Site 1 - Area 3**		
		Is a sample panel required?	☐ Yes	☑ No
		Is initial work considered as a sample?	☐ Yes	☑ No
☑	☐	Check for omissions and resolve any differences or interpretations with the government/client representative.		
☑	☐	Check safety to include compliance with Safety Plan and Activity Hazard Analyses. Review the Activity Hazard Analyses.		
☑	☐	Were procedures and work methods witnessed in strict compliance with project requirements?	☑ Yes ☐ No	
☑	☐	Is a re-inspection required?	☐ Yes ☑ No	

D. BRIEF SUMMARY OF INITIAL INSPECTION PROCEDURE AND RESULT, POINTS OF CONCERN, ETC.:

QC placed blind seed in search area. Seed recovered by UXO team. Visual inspection of area showed no metal >2" that could be removed. To the immediate south, just outside area 3 boundaries, shows evidence of a small arms target area including target frames, fired small arms projectiles and backstop timbers.

Quality Control Representative: (b) (6) [redacted]

Date 3/9/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	25,797	Completed transects 25 thru 1
DGM Transect collected Linear ft	68,749	Completed transects 46 thru 1
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	39	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 10 attendees. Site specific topics: MEC safety, Hydration, sun protection. Completed surface sweep of marked lanes in area 1. Completed DGM in area 1. Schedule for 3-10-2017, DGM of areas 2 and 3 of OB/OD 1. Surface sweep of OB/OD 2. During the surface sweep of transects 25 thru 1 several roof tiles which resemble transite were found. A sample was collected and will be sent to a lab to determine if it is.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/007	DAY	Thursday	Date:	March 9, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	Contract No.: Task Order No.:	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy Temperature: 47°F Min. 82°F Max.

Wind: ☐ Calm ☑ Breeze ☐ Windy Precipitation: Rain 0 Snow 0

Max Wind Speed: 14 mph Weather Information Source: www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	10.0	62.0	Cape	SUXOS
2	(b) (6)	10.0	62.0	Cape	UXOSO/UXOQC
3	[redacted]	10.0	62.0	Cape	TECH III
4	(b) (6)	10.0	62.0	Cape	UXO Tech II
5	(b) (6)	10.0	62.0	Cape	UXO Tech II
6	(b) (6)	10.0	62.0	Cape	UXO Tech II
7	[redacted]	10.0	62.0	Cape	UXO Escort
8					
Subcontractor(s)					
9	Bill Butler	10.0	62.0	Parsons	Field Technician
10	Brett Lyons	10.0	62.0	Parsons	Site/Project Geophysicist
	Total Hours:	90.0	558.0		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		03/09/17	6	4	4	
Chevy Silverado- Black - Cape	3/3/2017		03/09/17	6	6	2	
Nissan Titan 4x4 - Parsons	2/28/2017		03/09/17	9	5	3	
Dodge Ram 2500 ProMaster Van - Parsons	2/28/2017		03/09/17	9	5	3	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/09/17	6	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/09/17	8	8	0	
RTK GPS	2/28/2017		03/09/17	9	8	0	
EM61 Towed Array	2/28/2017		03/09/17	9	8	0	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Completed surface sweep of transects 25 thru 1 = 25,797 linear feet
b	Completed DGM data collection of radial lines and transects 46 thru 1 = 68,749 linear feet.
c	
d	
e	
f	
g	
h	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/007	DAY	Thursday	Date:	March 9, 2017

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17		
g	Soil Sampling and Analysis			
h	Anomaly Reacquisition			
i	Subsurface Anomaly Investigation			
j	Demobilization			

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Matrix	Sample ID No.	Analyses Requested	Comments

Geotechnical and Material Testing:

Type of Testing Performed	Test Date	Results of Testing	Comments

Field Screening:

Type of Testing Performed	Test Date	Results of Testing	Comments

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
Surface Sweep QC	Site 1, Area 3 Transect lanes 25 through 1	Accept
	2 blind seeds set - all recovered by UXO team	

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐ Yes ☐ No
b							☐ Yes ☐ No
c							☐ Yes ☐ No
d							☐ Yes ☐ No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/007	DAY	Thursday	Date:	March 9, 2017

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X						

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	
f	
g	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration, Weekend Safety

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Conduct surface sweep of Site 2

Continue collectiing DGM data from site 1 and site 2

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	90.0	Number of On-site Workdays:	7
Cumulative safety hours to date:	558.0	Calendar Days since Start of Work:	10

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used
(b) (6) ns and specifications, to the best of my knowledge,

9-Mar-17
Date

9-Mar-17
Date

9-Mar-17
Date

CAPE

TAILGATE SAFETY MEETING RECORD

Day / Date: Thursday, March 9, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, Texas	
Work Description: Surface Clearance, DGM Operations	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Insects and reptiles
3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Allergies.**
2. **Good Housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

(b) (6)

[redacted]

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 9, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME			
IN	OUT	(b) (6)	ORGANIZATION
0630	1700	[redacted]	CAPE
0630	1700		Parsons
0630	1700		Parsons
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		COE
0630	1700		CAPE

CAPE Form 320-1, Revised January, 2009

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		9-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	MPPEH Inspection and MD Turn-In	**Spec Sect.**		**Drawing**	

1. PREPARATORY PHASE INSPECTION / MEETING ATTENDEES:

	NAME	POSITION	COMPANY / CLIENT
1	(b) (6)	SUXOS	Cape
2	(b) (6)	UXOSO/UXOQC	Cape
3	(b) (6)	UXO Tech III	Cape
4			
5			
6			
7			
8			
9			
10			

2. PREPARATORY PHASE INSPECTION CHECKLIST:

A. DOCUMENT REVIEW:

Done	N/A	Description	Results	Action Items
☑	☐	Review each applicable sections of the Work Plan		
☑	☐	Review all applicable Standard Operating Procedures.		
☑	☐	Review Explosive Safety Submittal (ESS).		

B. SUBMITTAL STATUS REVIEW:

Review of all Submittal requirements to ensure that all materials and/or equipment have been tested, submitted, and approved.

☑	☐	Have all plans been submitted and approved by Client, NOSSA, DDESB	☑ Yes ☐ No	
☑	☐	Are all required Permits received and on file on the jobsite and/or properly posted?	☑ Yes ☐ No	

C. OFFSITE DISPOSAL OF MATERIALS:

☐	☑	Have all materials for disposal offsite been sampled and properly characterized for disposal?	☐ Yes ☐ No ☑ N/A	
☐	☑	Have Landfills been contacted and received copy of waste characterization results?	☐ Yes ☐ No ☑ N/A	

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		9-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	MPPEH Inspection and MD Turn-In	**Spec Sect.**		**Drawing**	

☐	☑	Have all Parties related to the approval process for hauling offsite been contacted and have they approved disposal methods?	☐ Yes ☐ No ☑ N/A	
☐	☑	Has it been verified that the Transporter of the material is properly licensed for hauling of this material?	☐ Yes ☐ No ☑ N/A	
☐	☑	Has the process/procedure for signing Waste Manifests been clearly established?	☐ Yes ☐ No ☑ N/A	
D. WORK AREA INSPECTION:				
☑	☐	Has all required preliminary work been completed and accepted to allow this DFW to start?	☑ Yes ☐ No ☐ N/A	
☑	☐	Does the OB/OD meet OP5 standards	☑ Yes ☐ No ☐ N/A	
E. MATERIAL AND EQUIPMENT INSPECTION:				
☑	☐	Are all required materials on hand (or scheduled for delivery to avoid schedule delays)?	☑ Yes ☐ No ☐ N/A	
☑	☐	Is all material properly stored and protected, as applicable?	☑ Yes ☐ No ☐ N/A	
☐	☐		☐ Yes ☐ No ☐ N/A	
☐	☐		☐ Yes ☐ No ☐ N/A	
F. REVIEW OF SAFETY REQUIREMENTS:				
☑	☐	*Review approriate AHAs to ensure safety requirements are met.*		
		Comments:		

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		9-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	MPPEH Inspection and MD Turn-In	**Spec Sect.**		**Drawing**	

G. REVIEW OF WORK PERFORMANCE / TESTING / INSPECTION REQUIREMENTS:				
☑	☐	Discuss procedures to accomplish the work, including points of control.		
☑	☐	Review all safety and emergency procedures		
☑	☐	Review provisions that have been made to provide required quality control (check applicable one)		
		☐ Subcontractor / Consultant		
		☑ QC Officer or another member of QC Team		
		☐ 3rd Party Inspection		
☑	☐	Quality Control Testing:		
		Tests to be Performed:	3 tier QC process IAW Cape SOP-2 MPPEH Processing	
		Frequency of Tests:	As applicable	
		Testing by Whom:	Team Leader, UXOSO, and SUXOS	
		When:	As applicable	
		Where:	On Site	
		Has Testing Facility Been Approved?	☐ Yes ☐ No	N/A
		For Testing performed on site, has testing equipment and test methods been submitted?	☐ Yes ☐ No	N/A
		Has Testing Equipment been calibrated before use or calibration certificate been provided before use?	☐ Yes ☐ No	N/A
☑	☐	Verify that portion of Work Plan for work to be performed has been accepted by the government.		
☑	☐	Discuss the Initial Control Phase.		

I hereby declare that: The above required materials delivered to the job site and methods and procedures are certified to fully comply with the project requirements.

Quality Control Representative: (b) (6) [redacted]

Date 3/10/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft		50% surface sweep of OB/OD 2, 7 acres
DGM Transect collected Linear ft	5,031	Completed transects in Area 2 and 3 of OB/OD 1
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	15	
Total Material Documented As Safes (MDAS) recovered today lbs	10	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	32	See attached Mec accountability Log
MEC Turned over today (ea)	32	See attached DD 1348
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 10 attendees. Site specific topics: MEC safety, Hydration, sun protection. 50% surface sweep of OB/OD 2. Completed DGM in area 2 and 3. Schedule for 3-13-2017, Complete surface sweep of OB/OD 2, Begin DGM of OB/OD 2. Begin soil sampling of the background area.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/008	DAY	Friday	Date:	March 10, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	Contract No.: Task Order No.:	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy Temperature: 50°F Min. 83°F Max.

Wind: ☐ Calm ☑ Breeze ☐ Windy Precipitation: Rain 0 Snow 0

Max Wind Speed: 15 mph Weather Information Source: www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	10.0	72.0	Cape	SUXOS
2	(b) (6)	10.0	72.0	Cape	UXOSO/UXOQC
3	[redacted]	10.0	72.0	Cape	TECH III
4	(b) (6)	10.0	72.0	Cape	UXO Tech II
5	(b) (6)	10.0	72.0	Cape	UXO Tech II
6	(b) (6)	10.0	72.0	Cape	UXO Tech II
7	[redacted]	10.0	72.0	Cape	UXO Escort
8					
Subcontractor(s)					
9	(b) (6)	10.0	72.0	Parsons	Field Technician
10	(b) (6)	10.0	72.0	Parsons	Site/Project Geophysicist
	Total Hours:	90.0	648.0		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		03/10/17	7	4	4	
Chevy Silverado- Black - Cape	3/3/2017		03/10/17	7	4	4	
Nissan Titan 4x4 - Parsons	2/28/2017		03/10/17	10	5	3	
Dodge Ram 2500 ProMaster Van - Parsons	2/28/2017		03/10/17	10	5	3	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/10/17	7	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/10/17	9	8	0	
RTK GPS	2/28/2017		03/10/17	10	8	0	
EM61 Towed Array	2/28/2017		03/10/17	10	8	0	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Began surface sweep of Site 2. 40mm, Mk 2 HE projectile found. Approximately ½ of site surface sweep complete.(See Block 10).
b	Completed DGM data collection of Site 1, Areas 2 & 3 = 5,031 linear feet.
c	Staked out three sample grids in OB Site 2 and three sample grids in background area.
d	Ft. Bliss EOD on site to pick up ordnance found for destruction.
e	
f	
g	
h	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/008	DAY	Friday	Date:	March 10, 2017

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	
g	Soil Sampling and Analysis	03/10/17		
h	Anomaly Reacquisition			
i	Subsurface Anomaly Investigation			
j	Demobilization			

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Matrix	Sample ID No.	Analyses Requested	Comments

Geotechnical and Material Testing:

Type of Testing Performed	Test Date	Results of Testing	Comments

Field Screening:

Type of Testing Performed	Test Date	Results of Testing	Comments

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐ Yes ☐ No
b							☐ Yes ☐ No
c							☐ Yes ☐ No
d							☐ Yes ☐ No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/008	DAY	Friday	Date:	March 10, 2017

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X						

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	
f	
g	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration, Weekend Safety

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

Because MEC was found in OB Site 2, it was determined prudent to conduct a surface sweep of the site. With 10' spacing of the transect lines it is quicker to sweep the entire site as opposed to marking individual lanes. This process will incur only a few hours delay in production.

11. Planned Activities: (List anticipated field activities for next day of work)

Complete surface sweep of OB Site 2
Begin DGM data collection of OB Site 2
Begin soil sampling

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	90.0	Number of On-site Workdays:	8
Cumulative safety hours to date:	648.0	Calendar Days since Start of Work:	11

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, excep

(b) (6) [redacted]

10-Mar-17
Date

10-Mar-17
Date

10-Mar-17
Date

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 10, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME IN	TIME OUT	NAME	ORGANIZATION
0630	1700	(b) (6)	CAPE
0630	1700		CAPE
0630	1700		Parsons
0630	1700		Parsons
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		USACE

CAPE Form 320-1, Revised January, 2009

TAILGATE SAFETY MEETING RECORD

Day / Date: Friday, March 10, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, Texas	
Work Description: Surface Clearance. DGM Operations	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Weekend safety
3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Allergies.**
2. **Good Housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

(b) (6)

[redacted]

MEC Accountability Log

Inventory of Munitions Recovered from OB/OD Site 1 and OB Site 2, Biggs AAF, Ft. Bliss, Texas

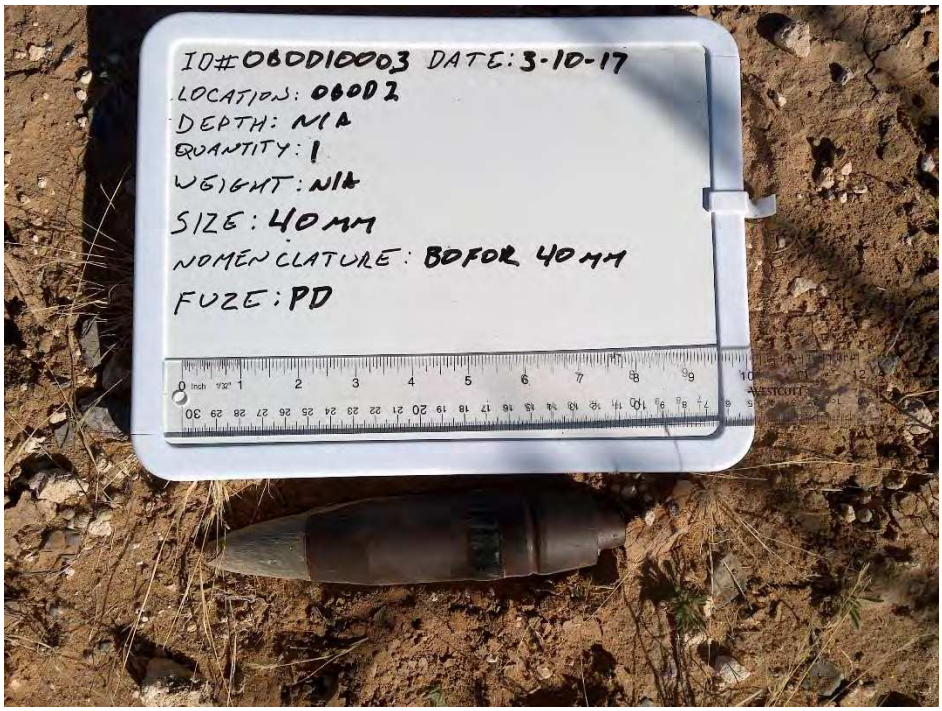
MEC Accountability Log

Item Number	Date Recovered	Location	Suspect MEC Sheet Number	Depth	Description of Item	Condition	Quantity Recovered	Item Safe to Move	Date of Disposal	Comments
1	3/10/2017	OBOD Site 1, Area 1	1	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
2 - 6	3/10/2017	OBOD Site 1, Area 1	2	0	37mm Projectile, T324E23	Unfired	5	Yes	3/10/2017	Turned over to 734 EOD
7	3/10/2017	OB2	3	0	40mm Projectile, Mk2	Fired	1	Yes	3/10/2017	Turned over to 734 EOD
8 - 26	3/10/2017	OBOD Site 1, Area 1	4	0	20mm Cartridge, TP, M99	Unfired	19	Yes	3/10/2017	Turned over to 734 EOD
27	3/10/2017	OBOD Site 1, Area 1	5	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
28	3/10/2017	OBOD Site 1, Area 1	6	0	Bulk HE (~1 pound)	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
29	3/10/2017	OBOD Site 1, Area 1	7	0	20mm Projectile, HEI, M97	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
30	3/10/2017	OBOD Site 1, Area 1	8	0	Tracer for 37mm T324E23	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
31 - 32	3/10/2017	OBOD Site 1, Area 1	9	0	20mm Projectile, HEI, M97	Unfired	2	Yes	3/10/2017	Turned over to 734 EOD
						Total	**32**			

SUSPECT MEC DISCOVERY LOG SHEET

Item Number: 7	Item Description: 40mm Projectile, HE, MkII
Quantity:	1
Fuze Information:	Mk 27 PD
Filler Composition:	0.15 lbs. TNT
Found Where:	OB2
GPS Location:	31°51' 46.3290" 106° 22' 9.172"
Found When:	March 10, 2017
Found By Whom:	Team 1, Temple Coffindaffer
Condition Verified By:	George Payne, SUXOS
Date/Time RCO Notified:	March 10, 2017, 0945
Individual Contacted:	Ronald Baca, Environmental Scientist, PWE Environmental Division
Date Item Transferred to EOD for Destruction:	March 10, 2017

INSERT PHOTO(s):



320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		10-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Soil Sampling	**Spec Sect.**		**Drawing**	

1. PREPARATORY PHASE INSPECTION / MEETING ATTENDEES:

		POSITION	COMPANY / CLIENT
1	(b) (6) [redacted]	SUXOS	Cape
2		UXOSO/UXOQC	Cape
3		Field Technician	Parsons
4		Geophysicist	Parsons
5		UXO Tech III	Cape
6		UXO Tech II	Cape
7		UXO Tech II	Cape
8		UXO Tech II	Cape
9		UXO Escort	Cape

2. PREPARATORY PHASE INSPECTION CHECKLIST:

A. DOCUMENT REVIEW:

Done	N/A	Description	Results	Action Items
☑	☐	Review each applicable sections of the Work Plan		
☑	☐	Review all applicable Standard Operating Procedures.		
☑	☐	Review Explosive Safety Submittal (ESS).		

B. SUBMITTAL STATUS REVIEW:

Review of all Submittal requirements to ensure that all materials and/or equipment have been tested, submitted, and approved.

☑	☐	Have all materials been submitted, tested, and approved?	☑ Yes ☐ No	
☑	☐	Has all equipment been submitted, tested, and approved?	☑ Yes ☐ No	

C. OFFSITE DISPOSAL OF MATERIALS:

☐	☑	Have all materials for disposal offsite been sampled and properly characterized for disposal?	☐ Yes ☐ No ☑ N/A	
☐	☑	Have Landfills been contacted and received copy of waste characterization results?	☐ Yes ☐ No ☑ N/A	

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		10-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Soil Sampling	**Spec Sect.**		**Drawing**	

☐	☑	Have all Parties related to the approval process for hauling offsite been contacted and have they approved disposal methods?	☐ Yes ☐ No ☑ N/A	
☐	☑	Has it been verified that the Transporter of the material is properly licensed for hauling of this material?	☐ Yes ☐ No ☑ N/A	
☐	☑	Has the process/procedure for signing Waste Manifests been clearly established?	☐ Yes ☐ No ☑ N/A	
D. WORK AREA INSPECTION:				
☑	☐	Has all required preliminary work been completed and accepted to allow this DFW to start?	☑ Yes ☐ No ☐ N/A	
☑	☐	Are all required Permits received and on file on the jobsite and/or properly posted?	☑ Yes ☐ No ☐ N/A	
E. MATERIAL AND EQUIPMENT INSPECTION:				
☑	☐	Are all required materials on hand (or scheduled for delivery to avoid schedule delays)?	☑ Yes ☐ No ☐ N/A	
☑	☐	Is all material properly stored and protected, as applicable?	☑ Yes ☐ No ☐ N/A	
☑	☐	Are all pieces of equipment or modules on hand (or scheduled for delivery to avoid schedule delays)?	☑ Yes ☐ No ☐ N/A	
☑	☐	Is all equipment or modules properly stored and protected, as applicable?	☑ Yes ☐ No ☐ N/A	
F. REVIEW OF SAFETY REQUIREMENTS:				
☑	☐	*Review appropriate AHAs to ensure safety requirements are met.* Comments: **All Personnel read and signed the AHA**		

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		10-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Soil Sampling	**Spec Sect.**		**Drawing**	

G. REVIEW OF WORK PERFORMANCE / TESTING / INSPECTION REQUIREMENTS:				
☑	☐	Discuss procedures to accomplish the work, including points of control.		
☑	☐	Establish construction tolerances and workmanship standards for this DFW.		
☑	☐	Review provisions that have been made to provide required quality control (check applicable one)		
		☑ Subcontractor / Consultant		
		☐ QC Officer or another member of QC Team		
		☐ 3rd Party Inspection		
☑	☐	Quality Control Testing:		
		Tests to be Performed:	IAW UFP-QAPP Worksheet#28	
		Frequency of Tests:	One time per location defined in UFP-QAPP	
		Testing by Whom:	Accutest Lab - SE	
		When:		
		Where:	On Site	
		Has Testing Facility Been Approved?	☑ Yes ☐ No	
		For Testing performed on site, has testing equipment and test methods been submitted?	☑ Yes ☐ No	
		Has Testing Equipment been calibrated before use or calibration certificate been provided before use?	☑ Yes ☐ No	
☑	☐	Verify that portion of Work Plan for work to be performed has been accepted by the government.		
☑	☐	Discuss the Initial Control Phase.		

I hereby declare that: The above required materials delivered to the job site and methods and procedures are certified to fully comply with the project requirements.

Quality Control Representative: (b) (6) [redacted]

(b) (6)

Analysis

Held On: 3-10-17

1.	Print: Sign:	21.	Print: Sign:
2.	Print: Sign:	22.	Print: Sign:
3.	Print: Sign:	23.	Print: Sign:
4.	Print: Sign:	24	Print: Sign:
5.	Print: Sign:	25.	Print: Sign:
6.	Print: Sign:	26.	Print: Sign:
7.	Print: Sign:	27.	Print: Sign:
8.	Print: Sign:	28.	Print: Sign:
9.	Print: Sign:	29.	Print: Sign:
0.	Print: Sign:	30.	Print: Sign:

320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13D-003	**Task Order No:**		003	
CAPE Project No.:	21003.003	**Date:**		10-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	MPPEH Inspection and MD Turn In	**Spec Sect.**		**Drawing**	

1. INITIAL PHASE INSPECTION / MEETING ATTENDEES:

		(b) (6)	POSITION	COMPANY / CLIENT
1		[redacted]	SUXOS	Cape
2			UXOSO/UXOQC	Cape
3			UXO Tech III	Cape
4				
5				
6				
Was Client Representative notified?			☐ Yes	☑ No

2. INITIAL PHASE INSPECTION CHECKLIST:

A. GENERAL ITEMS:

Done	N/A	Description	Results	Action Items
☑	☐	Check preliminary work and review minutes of the Preparatory Inspection / Meeting.		
☑	☐	Check that materials and equipment being used comply with project requirements.		
☑	☐	Check the work to ensure it is full compliance with the project requirements.		

B. CONTROLS TO ASSURE FULL COMPLIANCE:

		Controls	Testing
☑	☐	☑ QC Officer Observations ☐ Qualified Inspector ☐ 3rd Party Inspection & Testing ☐ Other, _____	☐ Checked Testing procedure ☐ Checked Instrumentation Calibration ☐ Checked recording Forms & Tracking ID No. ☑ None

C. ESTABLISH LEVEL OF WORKMANSHIP:

☑	☐	Work Location: OBOD Site 1		
		Is a sample panel required?	☐ Yes	☑ No
		Is initial work considered as a sample?	☐ Yes	☑ No
☑	☐	Check for omissions and resolve any differences or interpretations with the government/client representative.		
☑	☐	Check safety to include compliance with Safety Plan and Activity Hazard Analyses. Review the Activity Hazard Analyses.		
☑	☐	Were procedures and work methods witnessed in strict compliance with project requirements?	☑ Yes ☐ No	
☑	☐	Is a re-inspection required?	☐ Yes ☑ No	

D. BRIEF SUMMARY OF INITIAL INSPECTION PROCEDURE AND RESULT, POINTS OF CONCERN, ETC.:

All work/procedures observed were safely conducted and IAW with project documents.

320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13D-003	**Task Order No:**		003	
CAPE Project No.:	21003.003	**Date:**		10-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	MPPEH Inspection and MD Turn In	**Spec Sect.**		**Drawing**	

Quality Control Representative: (b) (6) [redacted]

[redacted]

ACTIVITY HAZARD ANALYSIS: Material Potentially Presenting an Explosive Hazard (MPPEH) Inspection and Munition Debris (MD) Turn-In			
Held On: March 9, 2017			
11.	Print: Sign:	21.	Print: Sign:
12.	Print: Sign:	22.	Print: Sign:
13.	Print: Sign:	23.	Print: Sign:
14.	Print: Sign:	24	Print: Sign:
15.	Print: Sign:	25.	Print: Sign:
16.	Print: Sign:	26.	Print: Sign:
17.	Print: Sign:	27.	Print: Sign:
18.	Print: Sign:	28.	Print: Sign:
19.	Print: Sign:	29.	Print: Sign:
20.	Print: Sign:	30.	Print: Sign:

AHA Review Conducted By: UXOSO

Print [redacted]

Sign

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003			
TEAM#: 1	TEAM LEADER: Temple Coffindaffer			
INSTRUMENT TYPE: Schonstedt	SERIAL#: 153694			
DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-6-17	IVS Function Check	—	—	NO WORK
3-7-17	IVS Function Check	PASS	PASS	
3-8-17	IVS Function Check	PASS	PASS	
3-9-17	IVS Function Check	PASS	PASS	
3-10-17	IVS Function Check	PASS	PASS	

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003
TEAM#: 1	TEAM LEADER: Temple Coffindaffer
INSTRUMENT TYPE: Schonstedt	SERIAL#: 297275

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-6-17	IVS Function Check	—	—	NO WORK
3-7-17	IVS Function Check	PASS	PASS	
3-8-17	IVS Function Check	PASS	PASS	
3-9-17	IVS Function Check	PASS	PASS	
3-10-17	IVS Function Check	PASS	PASS	

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003
TEAM#: 1	TEAM LEADER: Temple Coffindaffer
INSTRUMENT TYPE: Fisher All-Metals	SERIAL#: 041406891

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-6-17	IVS Function Check	—	—	NO WORK
3-7-17	IVS Function Check	PASS	PASS	
3-8-17	IVS Function Check	PASS	PASS	
3-9-17	IVS Function Check	PASS	PASS	
3-10-17	IVS Function Check	PASS	PASS	

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003
TEAM#: 1	TEAM LEADER: Temple Coffindaffer
INSTRUMENT TYPE: Schonstedt	SERIAL#: 297276

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-6-17	IVS Function Check	-	—	NO WORK
3-7-17	IVS Function Check	PASS	PASS	
3-8-17	IVS Function Check	PASS	PASS	
3-9-17	IVS Function Check	PASS	PASS	
3-10-17	IVS Function Check	PASS	PASS	

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003
TEAM#: 1	TEAM LEADER: Temple Coffindaffer
INSTRUMENT TYPE: Schonstedt	SERIAL#: 282306

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-6-17	IVS Function Check	—	—	NO WORK
3-7-17	IVS Function Check	PASS	PASS	
3-8-17	IVS Function Check	PASS	PASS	
3-9-17	IVS Function Check	PASS	PASS	
3-10-17	IVS Function Check	PASS	PASS	

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003			
TEAM#: 1	TEAM LEADER: Temple Coffindaffer			
INSTRUMENT TYPE: Schonstedt	SERIAL#: 155270			
DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-6-17	IVS Function Check	—	—	NO WORK
3-7-17	IVS Function Check	PASS	PASS	
3-8-17	IVS Function Check	PASS	PASS	
3-9-17	IVS Function Check	PASS	PASS	
3-10-17	IVS Function Check	PASS	PASS	

Date 3/13/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft		100% surface sweep of OB/OD 2, 7 acres
DGM Transect collected Linear ft	4,000	OB/OD 2
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	2,600	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 10 attendees. Weekly Safety: Ladder safety. Site specific topics: MEC safety, Hydration, sun protection. Completed surface sweep of OB/OD 2. Began DGM in OB/OD 2, collected soil samples in OB/OD 1 area 1: SU1, SU2, SU3. Schedule for 3-14-2017, continue DGM of OB/OD 2 and soil sampling.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/009	DAY	Monday	Date:	March 13, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	Contract No.: Task Order No.:	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy Temperature: 50°F Min. 83°F Max.

Wind: ☐ Calm ☑ Breeze ☐ Windy Precipitation: Rain 0 Snow 0

Max Wind Speed: 15 mph Weather Information Source: www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	10.0	82.0	Cape	SUXOS
2		10.0	82.0	Cape	UXOSO/UXOQC
3		10.0	82.0	Cape	TECH III
4		10.0	82.0	Cape	UXO Tech II
5		10.0	82.0	Cape	UXO Tech II
6		10.0	82.0	Cape	UXO Tech II
7		10.0	82.0	Cape	UXO Escort
8					
Subcontrac					
9		10.0	82.0	Parsons	Field Technician
10		10.0	82.0	Parsons	Site/Project Geophysicist
11		10.0	10.0	Parsons	Field Technician
		100.0	748.0		

Comments nd purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		03/13/17	10	4	4	
Chevy Silverado- Black - Cape	3/3/2017		03/13/17	10	4	4	
Nissan Titan 4x4 - Parsons	2/28/2017		03/13/17	13	5	3	
Dodge Ram 2500 ProMaster Van - Parsons	2/28/2017		03/13/17	13	5	3	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/13/17	10	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/13/17	12	8	0	
RTK GPS	2/28/2017		03/13/17	13	8	0	
EM61 Towed Array	2/28/2017		03/13/17	13	8	0	
EM61 Portable Array	3/13/2017		03/13/17	1	0	8	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Completed surface sweep of OB Site 2. 40mm, Mk2, found Friday was only MEC, MPPEH or MDAS found.
b	Started DGM data collection of OB Site 2. Completed ~4,000 linear feet.
c	Collected soil samples from Site 1, Area 1: SU1, SU2 and SU3.
d	
e	
f	
g	
h	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/009	DAY	Monday	Date:	March 13, 2017

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	
g	Soil Sampling and Analysis	03/10/17	03/13/17	
h	Anomaly Reacquisition			
i	Subsurface Anomaly Investigation			
j	Demobilization			

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Comments
Incremental	03/13/17	SU1, SU2, SU3	IAW WP Worksheet #18		

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
QC of surface sweep	OB Site 2	Accept
2 blind seeds planted - Both recovered		

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐ Yes ☐ No
b							☐ Yes ☐ No
c							☐ Yes ☐ No
d							☐ Yes ☐ No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/009	DAY	Monday	Date:	March 13, 2017

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X						

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	
f	
g	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration, Joggers along roads in dark conditions

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Expand Site 3 of Area 1 by 200' in all directions.
Continue DGM data collection of OB Site 2
Continue soil sampling

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	100.0	Number of On-site Workdays:	9
Cumulative safety hours to date:	748.0	Calendar Days since Start of Work:	14

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be (b) (6)

[redacted]

13-Mar-17
Date

13-Mar-17
Date

13-Mar-17
Date

CAPE

TAILGATE SAFETY MEETING RECORD

Day / Date: Monday, March 13, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, Texas	
Work Description: Surface Clearance, DGM Operations	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Ladders (Corporate Topic)
3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Allergies.**
2. **Good Housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

(b) (6)

[redacted]

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 13, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME		NAME	ORGANIZATION
IN	OUT		
0630	1700	(b) (6)	Cape
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		Parsons
0630	1700		CAPE
0630	1700		CAPE
0630	1700		PARSONS
0630	1700		PARSONS
0630	1700		CAPE

CAPE Form 320-1, Revised January, 2009

CAPE

SAFETY MEETING ATTENDANCE ROSTER

Project Name: RI at Biggs OB/OD Site 1 & SI at Biggs OB Site 2

Project Location: Ft Bliss, TX

Date: 3-13-17

Topic: Review of AHA For active DFW's
(DGM Operation, Soil Sampling & Analysis

Name	Signature	Company
(b) (6) [redacted]	[redacted]	PARSONS

Conducted By: Geery Hills, UXO 50

Signature: (b) (6) [redacted]

Date:

1-2008

CAPE

SITE SAFETY AND HEALTH PLAN REVIEW

Project Name:	RI at Biggs AAF Site 1 & SI at Biggs AAF OB Site 2
Project Location:	Ft Bliss, TX
Conducted By:	Gerry Hills UXO SO

I have reviewed the CAPE Site Safety and Health Plan for the above indicated site and understand the hazards and control measures required on this project.

I agree to follow the procedures outlined in this plan and to inform the CAPE Project Manager, Superintendent, and/or Site Safety and Health Officer should any unsafe condition be noted.

I understand that failure to follow safety regulations can be reason for removal from this project.

Date	Name	Signature	Company
03/13/17	(b) (6) [redacted]		Parsons

Revised: 05/2011

320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13D-003	**Task Order No:**		003	
CAPE Project No.:	21003.003	**Date:**		13-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Soil Sampling and Analysis	**Spec Sect.**		**Drawing**	

1. INITIAL PHASE INSPECTION / MEETING ATTENDEES:

	NAME	POSITION	COMPANY / CLIENT
1	(b) (6) [redacted]	SUXOS	Cape
2		UXOSO/UXOQC	Cape
3		Field Technician	Parsons
4		UXO Tech II	Cape
5		UXO Excort	Cape
6			
Was Client Representative notified?		☐ Yes	☑ No

2. INITIAL PHASE INSPECTION CHECKLIST:

A. GENERAL ITEMS:

Done	N/A	Description	Results	Action Items
☑	☐	Check preliminary work and review minutes of the Preparatory Inspection / Meeting.		
☑	☐	Check that materials and equipment being used comply with project requirements.		
☑	☐	Check the work to ensure it is full compliance with the project requirements.		

B. CONTROLS TO ASSURE FULL COMPLIANCE:

		Controls	Testing
☑	☐	☑ QC Officer Observations ☐ Qualified Inspector ☐ 3rd Party Inspection & Testing ☐ Other, _____	☐ Checked Testing procedure ☐ Checked Instrumentation Calibration ☐ Checked recording Forms & Tracking ID No. ☑ None

C. ESTABLISH LEVEL OF WORKMANSHIP:

☑	☐	Work Location: OBOD Site 1		
		Is a sample panel required?	☐ Yes	☑ No
		Is initial work considered as a sample?	☐ Yes	☑ No
☑	☐	Check for omissions and resolve any differences or interpretations with the government/client representative.		
☑	☐	Check safety to include compliance with Safety Plan and Activity Hazard Analyses. Review the Activity Hazard Analyses.		
☑	☐	Were procedures and work methods witnessed in strict compliance with project requirements?	☑ Yes ☐ No	
☑	☐	Is a re-inspection required?	☐ Yes ☑ No	

D. BRIEF SUMMARY OF INITIAL INSPECTION PROCEDURE AND RESULT, POINTS OF CONCERN, ETC.:

All work/procedures observed were safely conducted and IAW with project documents.

320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13D-003	**Task Order No:**		003	
CAPE Project No.:	21003.003	**Date:**		13-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Soil Sampling and Analysis	**Spec Sect.**		**Drawing**	

Quality Control Representative: (b) (6) [redacted]

Date 3/14/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	48,964	Continued collecting DGM lanes 8 through 68 OB/OD 2
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 11 attendees. Site specific topics: MEC safety, Hydration, sun protection, wildlife. Completed DGM in OB/OD 2, collected soil samples in OB/OD 1 area 1: SU04, SU05, SU06, SU07. Schedule for 3-15-2017: Continue soil sampling, continue DGM collecting OB/OD 2. Expand OB/OD 1, Area 3 by 200' in all directions.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/010	DAY	Tuesday	Date:	March 14, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas			Contract No.: Task Order No.:	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy Temperature: 45°F Min. 82°F Max.

Wind: ☑ Calm ☐ Breeze ☐ Windy Precipitation: Rain 0 Snow 0

Max Wind Speed: 10 mph Weather Information Source: www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Sup	(b) (6)				
1		10.0	92.0	Cape	SUXOS
2		10.0	92.0	Cape	UXOSO/UXOQC
3		10.0	92.0	Cape	TECH III
4		10.0	92.0	Cape	UXO Tech II
5		10.0	92.0	Cape	UXO Tech II
6		10.0	92.0	Cape	UXO Tech II
7		10.0	92.0	Cape	UXO Escort
8					
Subcontra					
9		10.0	92.0	Parsons	Field Technician
10		10.0	92.0	Parsons	Site/Project Geophysicist
11		10.0	20.0	Parsons	Field Technician
		100.0	848.0		

Comment urpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		03/14/17	11	4	4	
Chevy Silverado- Black - Cape	3/3/2017		03/14/17	11	4	4	
Nissan Titan 4x4 - Parsons	2/28/2017		03/14/17	14	5	3	
Dodge Ram 2500 ProMaster Van - Parsons	2/28/2017		03/14/17	14	5	3	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/14/17	11	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/14/17	13	8	0	
RTK GPS	2/28/2017		03/14/17	14	8	0	
EM61 Towed Array	2/28/2017		03/14/17	14	8	0	
EM61 Portable Array	3/13/2017		03/14/17	2	0	8	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Collected soil samples from Site 1, Area 1, SU04, SU05, SU06, SU07. Soil samples from yesterday and today sent to Lab. COC attached.
b	Completed collecting DGM data from lanes 8 through 68 in Site 2 =~48,964 linear feet.
c	
d	
e	
f	
g	
h	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/010	DAY	Tuesday	Date:	March 14, 2017

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/14/17
h	Anomaly Reacquisition			
i	Subsurface Anomaly Investigation			
j	Demobilization			

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAH's, pH, MS/MSD	03/14/17	SO	
Incremental	03/14/17	EB-031417	Explosives, MC Metals, PAH's, DI Water	03/14/17	WW	

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐Yes ☐No
b							☐Yes ☐No
c							☐Yes ☐No
d							☐Yes ☐No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/010	DAY	Tuesday	Date:	March 14, 2017

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X						

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	
f	
g	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Allergies, Vehicle Safety, Hydration, Housekeeping, Refueling Procedures

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Continue soil sampling
Continue DGM collection in Site 2
Expand Site 1, Area 3 by 200' in all directions.

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	100.0	Number of On-site Workdays:	10
Cumulative safety hours to date:	848.0	Calendar Days since Start of Work:	15

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be noted above.

(b) (6) [redacted]

14-Mar-17
Date

14-Mar-17
Date

14-Mar-17
Date

CAPE

TAILGATE SAFETY MEETING RECORD

Day / Date: Tuesday, March 14, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, Texas	
Work Description: Surface Clearance, DGM Operations	
Comments:	
SAFETY TOPICS PRESENTED	
Protective Clothing / Equipment: PPE Level D.	
Chemical Hazards: SDS on file with UXOSO	
Physical Hazards: 1. Slips, trips and falls. 2. Biological Hazards 3. Vehicle Safety	
Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.	
Emergency Hospital: William Beaumont Army Medical Center	
Hospital Telephone: (915) 742-2121	
Hospital Directions: Copy in each vehicle	
Special Equipment:	
Other: HYDRATE! 1. **Heat stress.** 2. **Good housekeeping and hygiene.** 3. **Report all injuries to UXOSO, no matter how small they may be.**	
SAFETY MEETING ATTENDEES	

(b) (6)

[redacted]

CAPE[SM]

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 14, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME IN	TIME OUT	NAME	ORGANIZATION
0630	1700	(b) (6)	CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		USACE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		BTP
0630	1700		CAPE
0630	1700		PARSONS
0630	1700		Parsons

CAPE Form 320-1, Revised January, 2009

320-6 FOLLOW UP PHASE INSPECTION

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		14-Mar-17	
Project Location:	Ft. Bliss, Texas				
DFW:	MPPEH Inspection and MD Turn In	**Spec Sect.**		**Drawing**	

1. INITIAL PHASE INSPECTION / MEETING ATTENDEES:

	NAME	POSITION	COMPANY / CLIENT
1	(b) (6)	UXOQC	Cape
2	(b) (6)	SUXOS	Cape
3	(b) (6)	UXO Tech III	Cape
4			
5			
Was Client Representative notified?			☐ Yes ☑ No

2. INITIAL PHASE INSPECTION CHECKLIST:

A. GENERAL ITEMS:

Done	N/A	Description	Results	Action Items
☑	☐	Check preliminary work and review minutes of the Preparatory Inspection / Meeting.		
☑	☐	Check that materials and equipment being used comply with project requirements.		
☑	☐	Check the work to ensure it is full compliance with the project requirements.		

B. CONTROLS TO ASSURE FULL COMPLIANCE:

		Controls	Testing
☑	☐	☑ QC Officer Observations ☐ Qualified Inspector ☐ 3rd Party Inspection & Testing ☐ Other, _____	☐ Checked Testing procedure ☐ Checked Instrumentation Calibration ☐ Checked recording Forms & Tracking ID No. ☑ None

C. ESTABLISH LEVEL OF WORKMANSHIP:

☑	☐	Work Location: **Site 1**		
		Is a sample panel required?	☐ Yes	☑ No
		Is initial work considered as a sample?	☐ Yes	☑ No
☑	☐	Check for omissions and resolve any differences or interpretations with the government/client representative.		
☑	☐	Check safety to include compliance with Safety Plan and Activity Hazard Analyses. Review the Activity Hazard Analyses.		
☑	☐	Were procedures and work methods witnessed in strict compliance with project requirements?	☑ Yes ☐ No	
☑	☐	Is a re-inspection required?	☐ Yes ☑ No	

D. BRIEF SUMMARY OF INITIAL INSPECTION PROCEDURE AND RESULT, POINTS OF CONCERN, ETC.:

All munitions debris removed from the site was inspected IAW WP and Cape SOP-4.

Quality Control Representative: (b) (6)

320-6 FOLLOW UP PHASE INSPECTION

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		14-Mar-17	
Project Location:	Ft. Bliss, Texas				
DFW:	Soil Sampling & Analyses	**Spec Sect.**		**Drawing**	

1. INITIAL PHASE INSPECTION / MEETING ATTENDEES:

	NAME	POSITION	COMPANY / CLIENT
1	(b) (6)	UXOQC	Cape
2	(b) (6)	SUXOS	Cape
3	(b) (6)	Field Technician	Parsons
4	(b) (6)	UXO Tech II	Cape
5	(b) (6)	UXO Escort	Cape
Was Client Representative notified?			☐ Yes ☑ No

2. INITIAL PHASE INSPECTION CHECKLIST:

A. GENERAL ITEMS:

Done	N/A	Description	Results	Action Items
☑	☐	Check preliminary work and review minutes of the Preparatory Inspection / Meeting.		
☑	☐	Check that materials and equipment being used comply with project requirements.		
☑	☐	Check the work to ensure it is full compliance with the project requirements.		

B. CONTROLS TO ASSURE FULL COMPLIANCE:

		Controls	Testing
☑	☐	☑ QC Officer Observations ☐ Qualified Inspector ☐ 3rd Party Inspection & Testing ☐ Other, _____	☐ Checked Testing procedure ☐ Checked Instrumentation Calibration ☑ Checked recording Forms & Tracking ID No. ☐ None

C. ESTABLISH LEVEL OF WORKMANSHIP:

☑	☐	Work Location: **Site 1 - Area 1**		
		Is a sample panel required?	☐ Yes	☑ No
		Is initial work considered as a sample?	☐ Yes	☑ No
☑	☐	Check for omissions and resolve any differences or interpretations with the government/client representative.		
☑	☐	Check safety to include compliance with Safety Plan and Activity Hazard Analyses. Review the Activity Hazard Analyses.		
☑	☐	Were procedures and work methods witnessed in strict compliance with project requirements?	☑ Yes ☐ No	
☑	☐	Is a re-inspection required?	☐ Yes ☑ No	

D. BRIEF SUMMARY OF INITIAL INSPECTION PROCEDURE AND RESULT, POINTS OF CONCERN, ETC.:

Reviewed lab tests requested, proper packaging and labeling. All were IAW WP.

Quality Control Representative: (b) (6)

Date 3/15/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments	Daily Narrative
			Arrived on site 0630, Safety brief conducted by Gerry Hills, 11 attendees. Site specific topics: MEC safety, Hydration, sun protection, wildlife. Completed DGM in OB/OD 2, collected soil samples in OB/OD 1 area 1: SU08, AU01, AU02, AU03. Schedule for 3-15-2017: Continue soil sampling, continue DGM collecting OB/OD 1 Area 3. Secured a fabricator for construction of armor for back hoe and personnel protective shield.
Surface Sweep Transect Linear ft	NA	Expanded Area 3 OB/OD 1 Surface swept new area	
DGM Transect collected Linear ft	NA		
Point Anomalies Investigated ea.	NA		
Pit/Trench Anomalies Investigated ea.	NA		
Total Industrial debris recovered lbs	5,500	Area 3 OB/OD 1	
Total Material Documented As Safes (MDAS) recovered today lbs	NA		
Total MPPEH Recovered lb.	NA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	NA		
Instructions Received From Customer Representative			

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/011	DAY	Wednesday	Date:	March 15, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	Contract No.: Task Order No.:	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy Temperature: 52°F Min. 86°F Max.

Wind: ☐ Calm ☑ Breeze ☐ Windy Precipitation: Rain 0 Snow 0

Max Wind Speed: 15 mph Weather Information Source: www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	(b) (6)	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervis					
1		10.0	102.0	Cape	SUXOS
2		10.0	102.0	Cape	UXOSO/UXOQC
3		10.0	102.0	Cape	TECH III
4		10.0	102.0	Cape	UXO Tech II
5		10.0	102.0	Cape	UXO Tech II
6		10.0	102.0	Cape	UXO Tech II
7		10.0	102.0	Cape	UXO Escort
8					
					102
9		10.0	102.0	Parsons	Field Technician
10		10.0	102.0	Parsons	Site/Project Geophysicist
11		10.0	30.0	Parsons	Field Technician
		100.0	948.0		

Comments (Lis d purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		03/15/17	12	4	4	
Chevy Silverado- Black - Cape	3/3/2017		03/15/17	12	4	4	
Nissan Titan 4x4 - Parsons	2/28/2017		03/15/17	15	5	3	
Dodge Ram 2500 ProMaster Van - Parsons	2/28/2017		03/15/17	15	7	2	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/15/17	12	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/15/17	14	8	0	
RTK GPS	2/28/2017		03/15/17	15	8	0	
EM61 Towed Array	2/28/2017		03/15/17	15	8	0	
EM61 Portable Array	3/13/2017		03/15/17	3	4	4	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Collected 3 soil samples from Site 1, Area 1 and 5 samples from background area - See Block 5.
b	Completed collecting DGM data from Site 2.
c	Expanded Site 1, Area 3 by 100 feet in all directions. UXO surface sweep complete.
d	
e	
f	
g	
h	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/011	DAY	Wednesday	Date:	March 15, 2017

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/14/17
h	Anomaly Reacquisition			
i	Subsurface Anomaly Investigation			
j	Demobilization			

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAH's, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAH's, pH, MS/MSD	03/14/17	SO	
Incremental	03/14/17	EB-031417	Explosives, MC Metals, PAH's, DI Water	03/14/17	WW	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAH's	03/15/17	SO	
Incremental	03/15/17	OBOD1-AU01-SS-02	PAH's	03/15/17	SO	
Incremental	03/15/17	OBOD1-AU01-SS-03	PAH's	03/15/17	SO	
Incremental	03/15/17	OBOD1-AU02-SS-01	PAH's, MS/MSD	03/15/17	SO	
Incremental	03/15/17	OBOD1-AU03-SS-01	PAH's	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAH's, pH		SO	
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAH's, pH		SO	
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAH's, pH		SO	

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐Yes ☐No
b							☐Yes ☐No
c							☐Yes ☐No
d							☐Yes ☐No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/011	DAY	Wednesday	Date:	March 15, 2017

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X						

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	
f	
g	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Allergies, Vehicle Safety, Hydration, Housekeeping, Refueling Procedures

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Continue soil sampling in OB Site 2

Complete DGM collection in Site 1, Area 3

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	100.0	Number of On-site Workdays:	11
Cumulative safety hours to date:	948.0	Calendar Days since Start of Work:	16

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be

(b) (6) [redacted]

15-Mar-17
Date

15-Mar-17
Date

15-Mar-17
Date

TAILGATE SAFETY MEETING RECORD

Day / Date: Wednesday, March 15, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, Texas	
Work Description: Surface Clearance, DGM Operations	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Refueling Procedures
3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Heat stress.**
2. **Good housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

(b) (6)

[redacted]

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 15, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME IN	TIME OUT	NAME	ORGANIZATION
0630	1700	(b) (6)	CAPE
0630	1700		CAPE
0630	1700		Parsons
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		PARSONS
0630	1700		Parsons

CAPE Form 320-1, Revised January, 2009

Date 3/16/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	NA	Completed DGM of add on in OB/OD Site 1 Area 3
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630 and safety brief conducted by Gerry Hills (11 attendees). Site specific topics: MEC safety, hydration, sun protection, hand tools and wildlife. Completed DGM in OB Site 2, collected soil samples in OB/OD Site 1 and OB Site 2. Schedule for 3-17-2017: Begin reacquire 50 DGM anomalies at OB/OD Site 1 and characterization.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/012	DAY	Thursday	Date:	March 16, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	Contract No.:	W91ZLK-13-D-0003
		Task Order No.:	0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy Temperature: 52°F Min. 86°F Max.

Wind: ☐ Calm ☑ Breeze ☐ Windy Precipitation: Rain 0 Snow 0

Max Wind Speed: 20 mph Weather Information Source: www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Su	(b) (6)				
1		10.0	112.0	Cape	SUXOS
2		10.0	112.0	Cape	UXOSO/UXOQC
3		10.0	112.0	Cape	TECH III
4		10.0	112.0	Cape	UXO Tech II
5		10.0	112.0	Cape	UXO Tech II
6		10.0	112.0	Cape	UXO Tech II
7		10.0	112.0	Cape	UXO Escort
8					
9		10.0	112.0	Parsons	Field Technician
10		10.0	112.0	Parsons	Site/Project Geophysicist
11		10.0	40.0	Parsons	Field Technician
		100.0	1048.0		

Commen urpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		03/16/17	13	4	4	
Chevy Silverado- Black - Cape	3/3/2017		03/16/17	13	4	4	
Nissan Titan 4x4 - Parsons	2/28/2017		03/16/17	16	5	3	
Dodge Ram 2500 ProMaster Van - Parsons	2/28/2017		03/16/17	16	7	2	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/16/17	13	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/16/17	15	4	0	4
RTK GPS	2/28/2017		03/16/17	16	8	0	
EM61 Portable Array	3/13/2017		03/16/17	4	4	4	

Comments:

Cushman ATV 168809 flat tire needing major repair.

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Collected soil samples from Site 1 and Site 2 - See Block 5
b	Completed collecting DGM data from Site 1, Area 3. DGM data collection complete.
c	Acquired materials for fabricator to begin shielding backhoe and build personnel shield.
d	
e	
f	
g	
h	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/012	DAY	Thursday	Date:	March 16, 2017

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/14/17
h	Anomaly Reacquisition	03/16/17		
i	Subsurface Anomaly Investigation	03/16/17		
j	Demobilization			

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐ Yes ☐ No
b							☐ Yes ☐ No
c							☐ Yes ☐ No
d							☐ Yes ☐ No

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/012	DAY	Thursday	Date:	March 16, 2017

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X						

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Allergies, Vehicle Safety, Hydration, Housekeeping, Proper Lifting Techniques, Hand Tools

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Anomaly Acquisition and characterization.

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	100.0	Number of On-site Workdays:	12
Cumulative safety hours to date:	1048.0	Calendar Days since Start of Work:	17

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except

(b) (6)

16-Mar-17
Date

16-Mar-17
Date

16-Mar-17
Date

TAILGATE SAFETY MEETING RECORD

Day / Date: Thursday, March 16, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, Texas	
Work Description: Surface Clearance, DGM Operations	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Tool Safety
3. Proper Lifting Techniques

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Heat stress.**
2. **Good housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

SAFETY MEETING ATTENDEES

(b) (6)

[redacted]

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 16, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME		NAME	ORGANIZATION
IN	OUT		
0630	1700	(b) (6)	Cape
0630	1700		Parsons
0630	1700		Parsons
0630	1700		Parsons
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		Cape
0630	1700		CAPE
0630	1700		Capa

CAPE Form 320-1, Revised January, 2009

MDAS Accumulation Form for Drum/Container Number: 1

Date	Description/NIIN	Qty (lbs)	Type of Treatment*
3/16/2017	20mm Projectiles	32	
3/16/2017	37mm Cartridge Cases & Flash Tubes	38	
3/16/2017	Small Arms Projectiles	40	
3/16/2017	Engine Starter Cart	1	
3/16/2017	2.36 Rocket Motor	1	
3/16/2017	2.75" FFAR Shorting Caps	1	
3/16/2017	Frag	8	
3/16/2017	Fuze Parts	4	
	Total	125	

*If Applicable

"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of knowledge and belief does not pose an explosive hazard"

CERTIFIER

Signature : (b) (6) Date: 3/16/2017

Printed Name: (b) (6)

Position: UXOSO/UXOQC

Organization Name: Cape Environmental Management

Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071

Organization Phone Number: (b) (6)

VERIFIER

Signature : (b) (6) Date: 3/16/2017

Printed Name: (b) (6)

Position: SUXOS

Organization Name: Cape Environmental Management

Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071

Organization Phone Number: (b) (6)

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		16-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Anomaly Reacquisition	**Spec Sect.**		**Drawing**	

1. PREPARATORY PHASE INSPECTION / MEETING ATTENDEES:

		POSITION	COMPANY / CLIENT
1	(b) (6) [redacted]	SUXOS	Cape
2		UXOSO/UXOQC	Cape
3		Field Technician	Parsons
4		Geophysicist	Parsons
5		Field Technician	Parsons
6		UXO Tech III	Cape
7		UXO Tech II	Cape
8		UXO Tech II	Cape
9		UXO Tech II	Cape
10		UXO Escort	Cape

2. PREPARATORY PHASE INSPECTION CHECKLIST:

A. DOCUMENT REVIEW:

Done	N/A	Description	Results	Action Items
☑	☐	Review each applicable sections of the Work Plan		
☑	☐	Review all applicable Standard Operating Procedures.		
☑	☐	Review Explosive Safety Submittal (ESS).		

B. SUBMITTAL STATUS REVIEW:

Review of all Submittal requirements to ensure that all materials and/or equipment have been tested, submitted, and approved.

☑	☐	Have all materials been submitted, tested, and approved?	☑ Yes ☐ No	
☑	☐	Has all equipment been submitted, tested, and approved?	☑ Yes ☐ No	

C. OFFSITE DISPOSAL OF MATERIALS:

☐	☑	Have all materials for disposal offsite been sampled and properly characterized for disposal?	☐ Yes ☐ No ☑ N/A	
☐	☑	Have Landfills been contacted and received copy of waste characterization results?	☐ Yes ☐ No ☑ N/A	

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		16-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Anomaly Reacquisition	**Spec Sect.**		**Drawing**	

☐	☑	Have all Parties related to the approval process for hauling offsite been contacted and have they approved disposal methods?	☐ Yes ☐ No ☑ N/A	
☐	☑	Has it been verified that the Transporter of the material is properly licensed for hauling of this material?	☐ Yes ☐ No ☑ N/A	
☐	☑	Has the process/procedure for signing Waste Manifests been clearly established?	☐ Yes ☐ No ☑ N/A	
D. WORK AREA INSPECTION:				
☑	☐	Has all required preliminary work been completed and accepted to allow this DFW to start?	☑ Yes ☐ No ☐ N/A	
☑	☐	Are all required Permits received and on file on the jobsite and/or properly posted?	☑ Yes ☐ No ☐ N/A	
E. MATERIAL AND EQUIPMENT INSPECTION:				
☑	☐	Are all required materials on hand (or scheduled for delivery to avoid schedule delays)?	☑ Yes ☐ No ☐ N/A	
☑	☐	Is all material properly stored and protected, as applicable?	☑ Yes ☐ No ☐ N/A	
☑	☐	Are all pieces of equipment or modules on hand (or scheduled for delivery to avoid schedule delays)?	☑ Yes ☐ No ☐ N/A	
☑	☐	Is all equipment or modules properly stored and protected, as applicable?	☑ Yes ☐ No ☐ N/A	
F. REVIEW OF SAFETY REQUIREMENTS:				
☑	☐	*Review appropriate AHAs to ensure safety requirements are met.* Comments: **All Personnel read and signed the AHA.**		

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		16-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Anomaly Reacquisition	**Spec Sect.**		**Drawing**	

G. REVIEW OF WORK PERFORMANCE / TESTING / INSPECTION REQUIREMENTS:				
☑	☐	Discuss procedures to accomplish the work, including points of control.		
☑	☐	Establish construction tolerances and workmanship standards for this DFW.		
☑	☐	Review provisions that have been made to provide required quality control (check applicable one)		
		☐ Subcontractor / Consultant		
		☑ QC Officer or another member of QC Team		
		☐ 3rd Party Inspection		
☐	☑	Quality Control Testing:		
		Tests to be Performed:		
		Frequency of Tests:		
		Testing by Whom:		
		When:		
		Where:	On Site	
		Has Testing Facility Been Approved?	☐ Yes ☐ No	N/A
		For Testing performed on site, has testing equipment and test methods been submitted?	☐ Yes ☐ No	
		Has Testing Equipment been calibrated before use or calibration certificate been provided before use?	☐ Yes ☐ No	N/A
☑	☐	Verify that portion of Work Plan for work to be performed has been accepted by the government.		
☑	☐	Discuss the Initial Control Phase.		

I hereby declare that: The above required materials delivered to the job site and methods and procedures are certified to fully comply with the project requirements.

Quality Control Representative: (b) (6) [redacted]

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		16-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Subsurface Anomaly Investigation	**Spec Sect.**		**Drawing**	

1. PREPARATORY PHASE INSPECTION / MEETING ATTENDEES:

	NAME	POSITION	COMPANY / CLIENT
1	(b) (6) [redacted]	SUXOS	Cape
2		UXOSO/UXOQC	Cape
3		Field Technician	Parsons
4		Geophysicist	Parsons
5		Field Technician	Parsons
6		UXO Tech III	Cape
7		UXO Tech II	Cape
8		UXO Tech II	Cape
9		UXO Tech II	Cape
10		UXO Escort	Cape

2. PREPARATORY PHASE INSPECTION CHECKLIST:

A. DOCUMENT REVIEW:

Done	N/A	Description	Results	Action Items
☑	☐	Review each applicable sections of the Work Plan		
☑	☐	Review all applicable Standard Operating Procedures.		
☑	☐	Review Explosive Safety Submittal (ESS).		

B. SUBMITTAL STATUS REVIEW:

Review of all Submittal requirements to ensure that all materials and/or equipment have been tested, submitted, and approved.

☑	☐	Have all materials been submitted, tested, and approved?	☑ Yes ☐ No	
☑	☐	Has all equipment been submitted, tested, and approved?	☑ Yes ☐ No	

C. OFFSITE DISPOSAL OF MATERIALS:

☐	☑	Have all materials for disposal offsite been sampled and properly characterized for disposal?	☐ Yes ☐ No ☑ N/A	
☐	☑	Have Landfills been contacted and received copy of waste characterization results?	☐ Yes ☐ No ☑ N/A	

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		16-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Subsurface Anomaly Investigation	**Spec Sect.**		**Drawing**	

☐	☑	Have all Parties related to the approval process for hauling offsite been contacted and have they approved disposal methods?	☐ Yes ☐ No ☑ N/A	
☐	☑	Has it been verified that the Transporter of the material is properly licensed for hauling of this material?	☐ Yes ☐ No ☑ N/A	
☐	☑	Has the process/procedure for signing Waste Manifests been clearly established?	☐ Yes ☐ No ☑ N/A	
D. WORK AREA INSPECTION:				
☑	☐	Has all required preliminary work been completed and accepted to allow this DFW to start?	☑ Yes ☐ No ☐ N/A	
☑	☐	Are all required Permits received and on file on the jobsite and/or properly posted?	☑ Yes ☐ No ☐ N/A	
E. MATERIAL AND EQUIPMENT INSPECTION:				
☑	☐	Are all required materials on hand (or scheduled for delivery to avoid schedule delays)?	☑ Yes ☐ No ☐ N/A	
☑	☐	Is all material properly stored and protected, as applicable?	☑ Yes ☐ No ☐ N/A	
☑	☐	Are all pieces of equipment or modules on hand (or scheduled for delivery to avoid schedule delays)?	☑ Yes ☐ No ☐ N/A	
☑	☐	Is all equipment or modules properly stored and protected, as applicable?	☑ Yes ☐ No ☐ N/A	
F. REVIEW OF SAFETY REQUIREMENTS:				
☑	☐	*Review appropriate AHAs to ensure safety requirements are met.* Comments: **All Personnel read and signed the AHA.**		

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		16-Mar-17	
Project Location:	Ft. Bliss, TX				
DFW:	Subsurface Anomaly Investigation	**Spec Sect.**		**Drawing**	

G. REVIEW OF WORK PERFORMANCE / TESTING / INSPECTION REQUIREMENTS:				
☑	☐	Discuss procedures to accomplish the work, including points of control.		
☑	☐	Establish construction tolerances and workmanship standards for this DFW.		
☑	☐	Review provisions that have been made to provide required quality control (check applicable one)		
		☐ Subcontractor / Consultant		
		☑ QC Officer or another member of QC Team		
		☐ 3rd Party Inspection		
☐	☑	Quality Control Testing:		
		Tests to be Performed:		
		Frequency of Tests:		
		Testing by Whom:		
		When:		
		Where:	On Site	
		Has Testing Facility Been Approved?	☐ Yes ☐ No	N/A
		For Testing performed on site, has testing equipment and test methods been submitted?	☐ Yes ☐ No	
		Has Testing Equipment been calibrated before use or calibration certificate been provided before use?	☐ Yes ☐ No	N/A
☑	☐	Verify that portion of Work Plan for work to be performed has been accepted by the government.		
☑	☐	Discuss the Initial Control Phase.		

I hereby declare that: The above required materials delivered to the job site and methods and procedures are certified to fully comply with the project requirements.

Quality Control Representative: (b) (6) [redacted]

(b) (6)

nvestigation			
d On:			
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(b) (6)

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DAILY QUALITY CONTROL REPORT
ENVIRONMENTAL SAMPLING

Project Name:	**Remedial Investigation at Biggs OB/OD Site I and Site Inspection at Biggs OB Site II**	**E-DQCR No.:**	
Project Location:	**El Paso, TX**	**Date:**	**3/16/2017**
Project Number:		**Page:**	**1 of 2**

1. ENVIRONMENTAL SAMPLING ACTIVITIES COMPLETED
(*Include description of sampled areas, media sampled, and other pertinent information*)

Incrimental samples collected per QAPP at OB/OD Site I and OB Site II

OB/OD Site I:
SU08 x3 (triplicate)
- Samples collected 3/15
- Shipped to lab on 3/16 (see COC)

SU09
- Sample grid added based on field observations and used DGM survey data to select grid placement
- Shipped to lab 3/16.

OB Site II:
SU01 x3 (triplicate)
SU02
SU03 (MS/MSD)
- Shipped to lab 3/16

2. ENVIRONMENTAL SAMPLES COLLECTED
(*Include Sample IDs, media, and analytes; may be supplemented by attached CoC Form[s]*)

See chain of custody (COC) attached.

3. SAMPLING EQUIPMENT USED (*Include Equipment Reference Numbers*)

Stainless steel sample spoons and ziplock plastic bags. Nitril gloves used during sample collection. Alconox and DI water to decontaminate between each sample grid.

Equip. Items Calibrated	NA
Calibration Documented in	NA

DAILY QUALITY CONTROL REPORT
ENVIRONMENTAL SAMPLING

Project Name:	**Remedial Investigation at Biggs OB/OD Site I and Site Inspection at Biggs OB Site II**	**E-DQCR No.:**	
Project Location:	**El Paso, TX**	**Date:**	**3/16/2017**
Project Number:		**Page:**	**2 of 2**

4a. DEVIATIONS FROM THE WORK PLAN/QAPP
(*Deviations that may affect DQOs must be conveyed to USACE immediately*)

None

4b. VERBAL/WRITTEN INSTRUCTIONS RECEIVED FROM GOVERNMENT PERSONNEL

None

5. LIST OF ATTACHMENTS
(*Include QA/QC sample summary tables, CoC Forms, and other sampling-related project forms*)

See attached chain of custody (COC)

5. APPROVAL SIGNATURES (*Sample Team Leader may Prepare and Sign*)

(b) (6) [redacted]

3/16/17
Date

3/16/17
Date

SGS ACCUTEST

SGS Accutest Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 FAX: 407-425-0707
www.accutest.com

SGS ACCUTEST JOB # : PAGE 1 OF 1

SGS Accutest Quote # | SKIFF #

Client / Reporting Information

Company Name: PARSONS
Address: 8000 CENTRE PARK DR
City: AUSTIN State: TX Zip: 78754
Project Contac (b) (6) (b) (6)
Phone (b) (6)
Sampler(s) Sampler 1: (b) (6)

Project Information

Project Name: FORT BLISS
Street
City EL PASO State TX
Fax #
Client Purchase Order # 10904 (CAPE)

Analytical Information

SGS Accutest Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	CONTAINER INFORMATION: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NAOH+ZNAC	DI WATER	MEOH	EXPLOSIVES	MC METALS	PAHs	PH	MS/MSD
	OBOD1-SU08-SS-01	3/15/17	0900	BB	SO	1										X	X	X	X	
	OBOD1-SU08-SS-02	3/15/17	0900	BB	SO	1										X	X	X	X	
	OBOD1-SU08-SS-03	3/15/17	0900	BB	SO	1										X	X	X	X	
	OB2-SU01-SS-01	3/16/17	0830	BB	SO	1												X		
	OB2-SU01-SS-02	3/16/17	0830	BB	SO	1												X		
	OB2-SU01-SS-03	3/16/17	0830	BB	SO	1												X		
	OB2-SU02-SS-01	3/16/17	1020	BB	SO	1												X		
	OB2-SU03-SS-01	3/16/17	1330	BB	SO	1												X		X
	OBODF-SU09-SS-01	3/16/17	1450	BB	SO	1										X	X	X	X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air

LAB USE ONLY

Turnaround Time (Business days)

10 Day (Business)
(7 Day)
5 Day
3 Day *RUSH*
2 Day *RUSH*
1 Day *RUSH*
Other

Approved By: / Date:

Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

* ISM - DRY & SIEVE
* PH - TAKE ALIQUOT BEFOR DRY SIEVE PROCESS ASAP

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Received By/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1 (b) (6)		3/16 1706	2	3		4
5		Date Time:	6	7		8

Lab Use Only : Cooler Temperature (s) Celsius:

10/03/2018

Date 3/29/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments	Daily Narrative
			Arrived on site 0630, Safety brief conducted by Gerry Hills, 9 attendees. Site specific topics: MEC safety, Heavy equipment safe operations, Hydration, sun protection. Continuing investigation of backhoe digs in OB/OD 1. Schedule for 3-30-2017: continue pit and trench investigation.
Surface Sweep Transect Linear ft	NA		
DGM Transect collected Linear ft	NA		
Point Anomalies Investigated ea.	NA		
Pit/Trench Anomalies Investigated ea.	6		
Total Industrial debris recovered lbs	NA		
Total Material Documented As Safes (MDAS) recovered today lbs	3		
Total MPPEH Recovered lb.	NA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	NA		
Instructions Received From Customer Representative			

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/019	DAY	Wednesday	Date:	March 29, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	**Contract No.:** **Task Order No.:**	W91ZLK-13-D-0003 0003

Weather: ☐ Clear ☑ Partly Cloudy ☐ Cloudy **Temperature:** 54°F **Min.** 68°F **Max.**

Wind: ☐ Calm ☐ Breeze ☑ Windy **Precipitation:** **Rain** 0 **Snow** 0

Max Wind Speed: 17 mph **Weather Information Source:** www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	10.0	181.0	Cape	SUXOS
2	(b) (6)	10.0	181.0	Cape	UXOSO/UXOQC
3	(b) (6)	10.0	181.0	Cape	TECH III
4	(b) (6)	10.0	181.0	Cape	UXO Tech II
5	(b) (6)	10.0	181.0	Cape	UXO Tech II
6	(b) (6)		154.0	Cape	UXO Tech II
7	(b) (6)	10.0	181.0	Cape	UXO Escort
8					
9	(b) (6)	10.0	181.0	Parsons	Field Technician
10	(b) (6)		119.0	Parsons	Site/Project Geophysicist
11	(b) (6)		47.0	Parsons	Field Technician
	Total Hours:	**70.0**	**1587.0**		

Comments (List any Visitors to Project and purpose of Visit):

(b) (6), USAEC- Site Visit

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		03/29/17	26	3	3	
Chevy Silverado- Black - Cape	3/3/2017		03/29/17	26	3	3	
Nissan Titan 4x4 - Parsons	2/28/2017		03/29/17	29	3	3	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/29/17	26	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/29/17	28	8	0	
John Deere 310p Backhoe	3/25/2017		03/29/17	4	8	0	
RTK GPS	2/28/2017		03/29/17	29	0	8	
EM61 Portable Array	3/13/2017		03/29/17	17	0	8	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Completed test pit excavations of ID numbers 22-01, 22-02, 22-03 25-01, 25-02 and 25-03. No MEC or MPPEH found.
b	
c	
d	
e	
f	
g	
h	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/019	DAY	Wednesday	Date:	March 29, 2017

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/14/17
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/21/17
j	Demobilization			

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	

Comments:

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/019	DAY	Wednesday	Date:	March 29, 2017

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
Subsurface Anomaly Investigation	Area 1, Pit ID's 22-01, 22-02, 25-02 and 22-03	Accept

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐Yes ☐No
b							☐Yes ☐No
c							☐Yes ☐No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X	Heavy Equipment	X				

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Asbestos, Vehicle Safety, Heat Stress, Housekeeping, General Safety Forum.

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/019	DAY	Wednesday	Date:	March 29, 2017

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Continue subsurface anomaly investigation and soil sampling of priority polygons.

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	70.0	Number of On-site Workdays:	19
Cumulative safety hours to date:	1587.0	Calendar Days since Start of Work:	30

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be noted above.

(b) (6)

[redacted]

29-Mar-17
Date

29-Mar-17
Date

29-Mar-17
Date

TAILGATE SAFETY MEETING RECORD

Day / Date: Wednesday, March 29, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, El Paso, Texas	
Work Description: Subsurface Anomaly Investigation; Soil Sampling	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. General Safety Forum
3. Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Heat stress.**
2. **Good housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

SAFETY MEETING ATTENDEES

Name Printed / Initial	Name Printed / Initial
(b) (6) [redacted]	

CAPE℠

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 29, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME		NAME	ORGANIZATION
IN	OUT		
0630	1700	(b) (6)	Cape
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		PARSONS
0630	1700		CAPE

CAPE Form 320-1, Revised January, 2009

CAPE

SITE CONTROL LOG FOR VISITORS

Date / Day / Time:	MARCH 29, 2017
Project Name:	RI BIGGS AAF Site I
Project Location:	FT BLISS, TX

Time		Name	Organization
In	**Out**		
0930	1045	(b) (6) [redacted]	USAFC

CAPE

MDAS Accumulation Form for Drum/Container Number: 1

Date	Description/NIIN	Qty (lbs)	Type of Treatment*
16-Mar-17	20mm Projectiles	32	
16-Mar-17	37mm Cartridge Cases & Flash Tubes	38	
16-Mar-17	Small Arms Projectiles	40	
16-Mar-17	Engine Starter Cart	1	
16-Mar-17	2.36 Rocket Motor	1	
16-Mar-17	2.75" FFAR Shorting Caps	1	
16-Mar-17	Frag	8	
16-Mar-17	Fuze Parts	4	
20-Mar-17	40mm Flare Case	0.25	
20-Mar-17	20mm Projectiles & Case	1	
20-Mar-17	37mm Flash Tubes	0.75	
20-Mar-17	Small Arms Projectiles	3	
20-Mar-17	Frag	5	
21-Mar-17	20mm Projectiles	5	
21-Mar-17	37mm Cartridge Case, Mk3A2	4	
21-Mar-17	Frag	7	
21-Mar-17	Pusher Plate	1	
27-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	20mm Projectiles & Cases	0.5	
28-Mar-17	Frag	0.5	
29-Mar-17	M1A1 Spotting Charge Part	0.5	
29-Mar-17	3.5" Rocket Fin Shroud	0.5	
29-Mar-17	Frag	1	
29-Mar-17	20mm Projectiles & Cases	1	
	Total	**158**	

*If Applicable

Certification Signatures on Reverse

"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of knowledge and belief does not pose an explosive hazard"

CERTIFIER

Signature : (b) (6) Date: 3/29/2017

Printed Name: (b) (6)

Position: UXOSO/UXOQC

Organization Name: Cape Environmental Management

Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071

Organization Phone Number: (b) (6)

VERIFIER

Signature : (b) (6) Date: 3/29/2017

Printed Name: (b) (6)

Position: SUXOS

Organization Name: Cape Environmental Management

Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071

Organization Phone Number: (b) (6)

EXPLOSIVE ORDNANCE INCIDENT REPORT

For use of this form, see PAM 27-162; the proponent agency is OTJAG.

1. UNIT NUMBER	2. CONTROL NUMBER	3. UNUSUAL	4. ROUTINE
734-036-17	03-142-17	☐	☒

SECTION A: INITIAL INFORMATION

5. DATE/TIME REPORTED	9. INCIDENT LOCATION	11. ITEM(S) REPORTED
101012TMAR17	Gate #13, FBTX, 79916 13R CR 68696 24888	20 mm Projectile 37mm Projectile
6. REPORTED BY Fernando; Range OPS		
7. PHONE NUMBER (b) (6) 0	**10. POINT OF CONTACT** Fernando Range Operator	
8. ADDRESS Gate #13, FBTX, 79916		

SECTION B: ACTION BY EOD

12. PERSONNEL DISPATCHED	13. DATE/TIME	14. TRAVEL DATA	15. WORK HOURS
(b) (6) [redacted]	A. DPRT: 101022TMAR17 B. ARR: 101031TMAR17 C. COMPL: 101444TMAR17	A. AIR: FLYING TIME B. VEH: MILEAGE: 84	A. TRAVEL: 1:22 B. INCIDENT: 3:00

16. CONFIRMED IDENTIFICATION	17. DISPOSITION
8x US PROJECTILE, 37MM, TP, M63 MOD 1 8x US FUZES, PROJECTILE, BD, M38 1x US PROJECTILE, 40MM, AA, MK II 22x M99, 20MM, TP	Disposed of by detonation

18. INCIDENT NARRATIVE (INCLUDE ALL SIGNIFICANT DETAILS AND PROBLEMS)

On 10MAR17, the 734th EOD Response Team received a call from Range OPS to support a pick up of UXO from Cape Environmental. EOD Team departed for the scene on 101022TMAR17 and arrived on-scene on 101031TMAR17. Team was then taken to the reported items IVO Grid 13R CR 68696 24888. Team recovered 8x US PROJECTILE, 37MM, TP, M63 MOD 1, 8x US FUZES, PROJECTILE, BD, M38, 1x US PROJECTILE, 40MM, AA, MK II and 22x M99, 20MM, TP PROJECTILE. All items were deemed safe for transport. The items were transported to Range 30 McGregor Range Complex IVO Grid 13S CR 98755 44394 and disposed of by detonation at 101232TMAR17. Team leader cleared the site and no additional explosive hazards were found. EOD team was mission complete on 101444TMAR17.

DTG Departed: 101022TMAR17 DTG Arrived: 101031TMAR17 DTG Completed: 101444TMAR17

SIR: NO

GP POC:(719)526-8380 BN POC:(360)704-0992 CO POC:(915)568-4097

Explosive Accountability:

DODIC	QTY	LOT#	NOMENCLATURE
M023	8	MA-08C035H033	CHG, DEMO BLOCK C-4 M112
M130	2	IRI87G002-013	CAP, BLASTING ELECTRIC M6

SECTION C: AUTHENTICATION

19. NAME AND GRADE AND SIGNATURE OF UNIT COMMANDER	20. TELEPHONE NO.	21. DATE (YYYYMMDD)
[redacted]	(b) (6) [redacted]	20170310

DA FORM 3265, APR 2014 PREVIOUS EDITIONS ARE OBSOLETE. APD LC v2.02ES

Date 3/30/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments	Daily Narrative
			Arrived on site 0630, Safety brief conducted by Gerry Hills, 7 attendees. Site specific topics: MEC safety, Heavy equipment safe operations, Hydration, sun protection. Continuing investigation of backhoe digs in OB/OD 1. Schedule for 3-31-2017: continue pit and trench investigation.
Surface Sweep Transect Linear ft	NA		
DGM Transect collected Linear ft	NA		
Point Anomalies Investigated ea.	NA		
Pit/Trench Anomalies Investigated ea.	6	No MPPEH or MEC found	
Total Industrial debris recovered lbs	NA		
Total Material Documented As Safes (MDAS) recovered today lbs	9		
Total MPPEH Recovered lb.	NA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	NA		
Instructions Received From Customer Representative			

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/020	DAY	Thursday	Date:	March 30, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	**Contract No.:** **Task Order No.:**	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy **Temperature:** 44°F **Min.** 80°F **Max.**

Wind: ☐ Calm ☐ Breeze ☑ Windy **Precipitation:** **Rain** 0 **Snow** 0

Max Wind Speed: 24 mph **Weather Information Source:** www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	10.0	191.0	Cape	SUXOS
2	(b) (6)	10.0	191.0	Cape	UXOSO/UXOQC
3	(b) (6)	10.0	191.0	Cape	TECH III
4	(b) (6)	10.0	191.0	Cape	UXO Tech II
5	(b) (6)	10.0	191.0	Cape	UXO Tech II
6	(b) (6)		154.0	Cape	UXO Tech II
7	(b) (6)	10.0	191.0	Cape	UXO Escort
8					
9	(b) (6)	10.0	191.0	Parsons	Field Technician
10	(b) (6)		119.0	Parsons	Site/Project Geophysicist
11	(b) (6)		47.0	Parsons	Field Technician
	Total Hours:	**70.0**	**1657.0**		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		03/30/17	27	3	5	
Chevy Silverado- Black - Cape	3/3/2017		03/30/17	27	3	5	
Nissan Titan 4x4 - Parsons	2/28/2017		03/30/17	30	3	5	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/30/17	27	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/30/17	29	8	0	
John Deere 310p Backhoe	3/25/2017		03/30/17	5	8	0	
RTK GPS	2/28/2017		03/30/17	30	0	8	
EM61 Portable Array	3/13/2017		03/30/17	18	0	8	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Completed test pit excavations of ID numbers 17-01, 18-01, 18-02, 20-01, 20-02 and 20-03. No MEC or MPPEH found.
b	Collected soil samples from pit numbers 18-01, 20-01, and 20-02,
c	
d	
e	
f	
g	
h	

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/14/17
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/21/17
j	Demobilization			

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/020	DAY	Thursday	Date:	March 30, 2017

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MS/MSD
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
Subsurface Anomaly Investigation	Area 1, Pit ID's 18-01, 18-02 and 20-03	Accept

320-2 DAILY QUALITY CONTROL REPORT

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7. Material Received: (Note inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐Yes ☐No
b							☐Yes ☐No
c							☐Yes ☐No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X	Heavy Equipment	X				

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Asbestos, Vehicle Safety, Heat Stress, Housekeeping, Eye and Face Protection (Corporate)

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Continue subsurface anomaly investigation and soil sampling of priority polygons.

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	70.0	Number of On-site Workdays:	20
Cumulative safety hours to date:	1657.0	Calendar Days since Start of Work:	31

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may

(b) (6) [redacted]

30-Mar-17
Date

30-Mar-17
Date

30-Mar-17
Date

TAILGATE SAFETY MEETING RECORD

Day / Date: Thursday, March 30, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, El Paso, Texas	
Work Description: Subsurface Anomaly Investigation; Soil Sampling	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Eye and Face Protection (Corporate Topic)
3. Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Heat stress.**
2. **Good housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

SAFETY MEETING ATTENDEES

Name Printed / Initial	Name Printed / Initial
(b) (6) [redacted]	

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 30, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME IN	TIME OUT	NAME	ORGANIZATION
0630	1700	(b) (6) [redacted]	CAPE
0630	1700		PARSONS
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE

CAPE Form 320-1, Revised January, 2009

CAPE

MDAS Accumulation Form for Drum/Container Number: 1

Date	Description/NIIN	Qty (lbs)	Type of Treatment*
16-Mar-17	20mm Projectiles	32	
16-Mar-17	37mm Cartridge Cases & Flash Tubes	38	
16-Mar-17	Small Arms Projectiles	40	
16-Mar-17	Engine Starter Cart	1	
16-Mar-17	2.36 Rocket Motor	1	
16-Mar-17	2.75" FFAR Shorting Caps	1	
16-Mar-17	Frag	8	
16-Mar-17	Fuze Parts	4	
20-Mar-17	40mm Flare Case	0.25	
20-Mar-17	20mm Projectiles & Case	1	
20-Mar-17	37mm Flash Tubes	0.75	
20-Mar-17	Small Arms Projectiles	3	
20-Mar-17	Frag	5	
21-Mar-17	20mm Projectiles	5	
21-Mar-17	37mm Cartridge Case, Mk3A2	4	
21-Mar-17	Frag	7	
21-Mar-17	Pusher Plate	1	
27-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	20mm Projectiles & Cases	0.5	
28-Mar-17	Frag	0.5	
29-Mar-17	M1A1 Spotting Charge Part	0.5	
29-Mar-17	3.5" Rocket Fin Shroud	0.5	
29-Mar-17	Frag	1	
29-Mar-17	20mm Projectiles & Cases	1	
30-Mar-17	20mm Projectiles & Cases	4	
30-Mar-17	Frag	4	
30-Mar-17	Small Arms Projectiles & Cases	1	
	Total	**167**	

*If Applicable

Certification Signatures on Reverse

"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of knowledge and belief does not pose an explosive hazard"

CERTIFIER

Signature : (b) (6) Date: 3/30/2017

Printed Name: (b) (6)

Position: UXOSO/UXOQC

Organization Name: Cape Environmental Management

Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071

Organization Phone Number: (b) (6)

VERIFIER

Signature : (b) (6) Date: 3/30/2017

Printed Name: (b) (6)

Position: SUXOS

Organization Name: Cape Environmental Management

Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071

Organization Phone Number: (b) (6)

CAPE

HEAVY EQUIPMENT INSPECTION REPORT

Date / Day:	Thursday, March 30, 2017
Project Name:	RI Biggs AAF Site 1
Project Location:	Biggs AAF, El Paso, Texas
Equipment Type:	Backhoe
Mfr / Model:	John Deere 310EP

Inspection Description	Checked	Observations (readings, levels, condition, damage, repairs needed)
General appearance	✓	
Hour meter reading	✓	2572.7
Engine operation / check belts	✓	
Engine oil / water level	✓	
Transmission oil level	✓	
Hydraulic / misc. oil level	✓	
Brake operation / fluid level	✓	
Grease	✓	
Batteries	✓	
Fuel level (gas / diesel)	✓	
Hoses & fittings (air, hydraulic…)	✓	
Operation / controls	✓	
Tires / tracks	✓	
Cab (mirrors, seatbelt, glass, horn, turn signals, lights, wipers)	✓	
Back-up lights and alarm	✓	
Fire extinguisher condition	✓	
Coupling devices and connectors	✓	
Exhaust system	✓	
Blade / boom / bucket	✓	
Frame, ladders and walkway	✓	
Steering	✓	

Defects and Repairs Needed / Comments:

Inspected By: **Signature:**

(b) (6) [redacted]

Date 3/31/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments	Daily Narrative
			Arrived on site 0630, Safety brief conducted by Gerry Hills, 7 attendees. Site specific topics: MEC safety, Heavy equipment safe operations, Hydration, sun protection. Continuing investigation of backhoe digs in OB/OD 1. Schedule for 4-4-2017: continue pit and trench investigation. Photos attached at pages 23 thru 27 show items between the surface sweep lanes in OB/OD 1.
Surface Sweep Transect Linear ft	NA		
DGM Transect collected Linear ft	NA		
Point Anomalies Investigated ea.	NA		
Pit/Trench Anomalies Investigated ea.	1	No MPPEH or MEC found	
Total Industrial debris recovered lbs	NA		
Total Material Documented As Safes (MDAS) recovered today lbs	4		
Total MPPEH Recovered lb.	NA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	NA		
Instructions Received From Customer Representative			

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/021	DAY	Friday	Date:	March 31, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	**Contract No.:** **Task Order No.:**	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy **Temperature:** 64°F **Min.** 80°F **Max.**

Wind: ☐ Calm ☐ Breeze ☑ Windy **Precipitation:** **Rain** 0 **Snow** 0

Max Wind Speed: 48 mph **Weather Information Source:** www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	6.0	197.0	Cape	SUXOS
2	(b) (6)	6.0	197.0	Cape	UXOSO/UXOQC
3	(b) (6)	6.0	197.0	Cape	TECH III
4	(b) (6)	6.0	197.0	Cape	UXO Tech II
5	(b) (6)	6.0	197.0	Cape	UXO Tech II
6	(b) (6)		154.0	Cape	UXO Tech II
7	(b) (6)	6.0	197.0	Cape	UXO Escort
8					
9	(b) (6)	6.0	197.0	Parsons	Field Technician
10	(b) (6)		119.0	Parsons	Site/Project Geophysicist
11	(6)		47.0	Parsons	Field Technician
	Total Hours:	**42.0**	**1699.0**		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		03/31/17	28	3	5	
Chevy Silverado- Black - Cape	3/3/2017		03/31/17	28	3	5	
Nissan Titan 4x4 - Parsons	2/28/2017		03/31/17	31	3	5	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/31/17	28	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/31/17	30	8	0	
John Deere 310p Backhoe	3/25/2017		03/31/17	6	8	0	
RTK GPS	2/28/2017		03/31/17	31	0	8	
EM61 Portable Array	3/13/2017		03/31/17	19	0	8	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Completed test pit excavations of ID numbers 17-02. No MEC or MPPEH found.
b	Collected soil samples from pit numbers 17-02.
c	Site secured at 1300 due to high winds and blowing dust.
d	
e	
f	
g	
h	

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17
j	Demobilization			

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/021	DAY	Friday	Date:	March 31, 2017

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MS/MSD - Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/31/17	0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
	03/31/17	0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	

Comments:

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
Subsurface Anomaly Investigation	Area 1, Pit ID 17-02.	Accept

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/021	DAY	Friday	Date:	March 31, 2017

7. Material Received: (Note inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐Yes ☐No
b							☐Yes ☐No
c							☐Yes ☐No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X	Heavy Equipment	X				

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Asbestos, Vehicle Safety, Heat Stress, Housekeeping, Distractions

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Continue subsurface anomaly investigation and soil sampling of priority polygons.

12. Safety Hours:

Daily safety hours including CAPE and Subcontractors:	42.0	Number of On-site Workdays:	21
Cumulative safety hours to date:	1699.0	Calendar Days since Start of Work:	32

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be n

(b) (6)

[redacted]

31-Mar-17
Date

31-Mar-17
Date

Field Technician, Parsons

31-Mar-17
Date

TAILGATE SAFETY MEETING RECORD

Day / Date: Friday, March 31, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, El Paso, Texas	
Work Description: Subsurface Anomaly Investigation; Soil Sampling	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Distractions
3. Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Heat stress.**
2. **Good housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

SAFETY MEETING ATTENDEES

Name Printed / Initial	Name Printed / Initial
(b) (6) [redacted]	8.
	9.
	10.
	11.
	12.
	13.
	14. (b) (6) [redacted]
	s, UX

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	March 31, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME		NAME	ORGANIZATION
IN	OUT		
0630	1300	(b) (6)	[illegible]
0630	1300		CAPE
0630	1300		[illegible]
0630	1300		[illegible]
0630	1300		[illegible]
0630	1300		CAPE
0630	1300		CAPE

CAPE Form 320-1, Revised January, 2009

CAPE

MDAS Accumulation Form for Drum/Container Number: 1

Date	Description/NIIN	Qty (lbs)	Type of Treatment*
16-Mar-17	20mm Projectiles	32	
16-Mar-17	37mm Cartridge Cases & Flash Tubes	38	
16-Mar-17	Small Arms Projectiles	40	
16-Mar-17	Engine Starter Cart	1	
16-Mar-17	2.36 Rocket Motor	1	
16-Mar-17	2.75" FFAR Shorting Caps	1	
16-Mar-17	Frag	8	
16-Mar-17	Fuze Parts	4	
20-Mar-17	40mm Flare Case	0.25	
20-Mar-17	20mm Projectiles & Case	1	
20-Mar-17	37mm Flash Tubes	0.75	
20-Mar-17	Small Arms Projectiles	3	
20-Mar-17	Frag	5	
21-Mar-17	20mm Projectiles	5	
21-Mar-17	37mm Cartridge Case, Mk3A2	4	
21-Mar-17	Frag	7	
21-Mar-17	Pusher Plate	1	
27-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	20mm Projectiles & Cases	0.5	
28-Mar-17	Frag	0.5	
29-Mar-17	M1A1 Spotting Charge Part	0.5	
29-Mar-17	3.5" Rocket Fin Shroud	0.5	
29-Mar-17	Frag	1	
29-Mar-17	20mm Projectiles & Cases	1	
30-Mar-17	20mm Projectiles & Cases	4	
30-Mar-17	Frag	4	
30-Mar-17	Small Arms Projectiles & Cases	1	
31-Mar-17	20mm Projectiles & Cases	2	
31-Mar-17	Frag	1	
31-Mar-17	Small Arms Projectiles & Cases	1	
	Total	**171**	

*If Applicable

Certification Signatures on Reverse

"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of knowledge and belief does not pose an explosive hazard"

CERTIFIER

Signature : (b) (6) Date: 3/31/2017

Printed Name: (b) (6)

Position: UXOSO/UXOQC

Organization Name: Cape Environmental Management

Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071

Organization Phone Number: (b) (6)

VERIFIER

Signature : (b) (6) Date: 3/31/2017

Printed Name: (b) (6)

Position: SUXOS

Organization Name: Cape Environmental Management

Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071

Organization Phone Number: (b) (6)

CAPE

HEAVY EQUIPMENT INSPECTION REPORT

Date / Day:	Friday, March 31, 2017
Project Name:	RI Biggs AAF Site 1
Project Location:	Biggs AAF, El Paso, Texas
Equipment Type:	Backhoe
Mfr / Model:	John Deere 310EP

Inspection Description	Checked	Observations (readings, levels, condition, damage, repairs needed)
General appearance	✓	
Hour meter reading	✓	2574.8
Engine operation / check belts	✓	
Engine oil / water level	✓	
Transmission oil level	✓	
Hydraulic / misc. oil level	✓	
Brake operation / fluid level	✓	
Grease	✓	
Batteries	✓	
Fuel level (gas / diesel)	✓	
Hoses & fittings (air, hydraulic…)	✓	
Operation / controls	✓	
Tires / tracks	✓	
Cab (mirrors, seatbelt, glass, horn, turn signals, lights, wipers)	✓	
Back-up lights and alarm	✓	
Fire extinguisher condition	✓	
Coupling devices and connectors	✓	
Exhaust system	✓	
Blade / boom / bucket	✓	
Frame, ladders and walkway	✓	
Steering	✓	

Defects and Repairs Needed / Comments: Equipment Greased

Inspected By: (b) (6) [redacted]

Signature: [redacted]

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003
TEAM#: 1	TEAM LEADER: Temple Coffindaffer
INSTRUMENT TYPE: Schonstedt	SERIAL#: 297275

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-27-17	IVS Function Check	PASS	PASS	
3-28-17	IVS Function Check	PASS	PASS	
3-29-17	IVS Function Check	PASS	PASS	
3-30-17	IVS Function Check	PASS	PASS	
3-31-17	IVS Function Check	PASS	PASS	

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003
TEAM#: 1	TEAM LEADER: Temple Coffindaffer
INSTRUMENT TYPE: Schonstedt	SERIAL#: 297276

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-27-17	IVS Function Check	PASS	PASS	
3-28-17	IVS Function Check	PASS	PASS	
3-29-17	IVS Function Check	PASS	PASS	
3-30-17	IVS Function Check	PASS	PASS	
3-31-17	IVS Function Check	PASS	PASS	

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003			
TEAM#: 1	TEAM LEADER: Temple Coffindaffer			
INSTRUMENT TYPE: Schonstedt	SERIAL#: 153694			
DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-27-17	IVS Function Check	PASS	PASS	
3-28-17	IVS Function Check	PASS	PASS	
3-29-17	IVS Function Check	PASS	PASS	
3-30-17	IVS Function Check	PASS	PASS	
3-31-17	IVS Function Check	PASS	PASS	

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2		CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003		
TEAM#: 1		TEAM LEADER: Temple Coffindaffer		
INSTRUMENT TYPE: Fisher All-Metals		SERIAL#: 041406891		
DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-27-17	IVS Function Check	PASS	PASS	
3-28-17	IVS Function Check	PASS	PASS	
3-29-17	IVS Function Check	PASS	PASS	
3-30-17	IVS Function Check	PASS	PASS	
3-31-17	IVS Function Check	PASS	PASS	

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003
TEAM#: 1	TEAM LEADER: Temple Coffindaffer
INSTRUMENT TYPE: Schonstedt	SERIAL#: 282306

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-27-17	IVS Function Check	PASS	PASS	
3-28-17	IVS Function Check	PASS	PASS	
3-29-17	IVS Function Check	PASS	PASS	
3-30-17	IVS Function Check	PASS	PASS	
3-31-17	IVS Function Check	PASS	PASS	

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003
TEAM#: 1	TEAM LEADER: Temple Coffindaffer
INSTRUMENT TYPE: Schonstedt	SERIAL#: 155270

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-27-17	IVS Function Check	PASS	PASS	
3-28-17	IVS Function Check	PASS	PASS	
3-29-17	IVS Function Check	PASS	PASS	
3-30-17	IVS Function Check	NC	—	INSTRUMENT WILL NOT HOLD CONSTANT READ.
3-31-17	IVS Function Check			

320-6 FOLLOW UP PHASE INSPECTION

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		31-Mar-17	
Project Location:	Ft. Bliss, Texas				
DFW:	Soil Sampling and Analysis	**Spec Sect.**		**Drawing**	

1. INITIAL PHASE INSPECTION / MEETING ATTENDEES:

	NAME	POSITION	COMPANY / CLIENT
1	(b) (6)	SUXOS	Cape
2		UXOSO/UXOQC	Cape
3		UXO Tech III	Cape
4		Field Technician	Parsons
5		UXO Tech II	Cape
6		UXO Tech II	Cape
8	(b) (6)	UXO Escort	Cape
9			
Was Client Representative notified?			☐ Yes ☑ No

2. INITIAL PHASE INSPECTION CHECKLIST:

A. GENERAL ITEMS:

Done	N/A	Description	Results	Action Items
☑	☐	Check preliminary work and review minutes of the Preparatory Inspection / Meeting.		
☑	☐	Check that materials and equipment being used comply with project requirements.		
☑	☐	Check the work to ensure it is full compliance with the project requirements.		

B. CONTROLS TO ASSURE FULL COMPLIANCE:

		Controls	Testing
☑	☐	☑ QC Officer Observations ☐ Qualified Inspector ☐ 3rd Party Inspection & Testing ☐ Other, _____	☐ Checked Testing procedure ☐ Checked Instrumentation Calibration ☐ Checked recording Forms & Tracking ID No. ☑ None

C. ESTABLISH LEVEL OF WORKMANSHIP:

☑	☐	Work Location: **OBOD Site 1**		
		Is a sample panel required?	☐ Yes	☑ No
		Is initial work considered as a sample?	☐ Yes	☑ No
☑	☐	Check for omissions and resolve any differences or interpretations with the government/client representative.		
☑	☐	Check safety to include compliance with Safety Plan and Activity Hazard Analyses. Review the Activity Hazard Analyses.		
☑	☐	Were procedures and work methods witnessed in strict compliance with project requirements?	☑ Yes ☐ No	
☑	☐	Is a re-inspection required?	☐ Yes ☑ No	

320-6 FOLLOW UP PHASE INSPECTION

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		31-Mar-17	
Project Location:	Ft. Bliss, Texas				
DFW:	Soil Sampling and Analysis	**Spec Sect.**		**Drawing**	

D. BRIEF SUMMARY OF INITIAL INSPECTION PROCEDURE AND RESULT, POINTS OF CONCERN, ETC.:

Observed operations. All procedures accomplished IAW safety directives and UFP-QAPP.

Quality Control Representative: (b) (6) [redacted]

320-6 FOLLOW UP PHASE INSPECTION

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		31-Mar-17	
Project Location:	Ft. Bliss, Texas				
DFW:	Subsurface Anomaly Investigation	**Spec Sect.**		**Drawing**	

1. INITIAL PHASE INSPECTION / MEETING ATTENDEES:

	NAME	POSITION	COMPANY / CLIENT
1	(b) (6)	SUXOS	Cape
2	(b) (6)	UXOSO/UXOQC	Cape
3	(b) (6)	UXO Tech III	Cape
4	(b) (6)	Field Technician	Parsons
5	(b) (6)	UXO Tech II	Cape
6	(b) (6)	UXO Tech II	Cape
8	(b) (6)	UXO Escort	Cape
9			
Was Client Representative notified?			☐ Yes ☑ No

2. INITIAL PHASE INSPECTION CHECKLIST:

A. GENERAL ITEMS:

Done	N/A	Description	Results	Action Items
☑	☐	Check preliminary work and review minutes of the Preparatory Inspection / Meeting.		
☑	☐	Check that materials and equipment being used comply with project requirements.		
☑	☐	Check the work to ensure it is full compliance with the project requirements.		

B. CONTROLS TO ASSURE FULL COMPLIANCE:

		Controls	Testing
☑	☐	☑ QC Officer Observations ☐ Qualified Inspector ☐ 3rd Party Inspection & Testing ☐ Other, _____	☐ Checked Testing procedure ☐ Checked Instrumentation Calibration ☐ Checked recording Forms & Tracking ID No. ☑ None

C. ESTABLISH LEVEL OF WORKMANSHIP:

☑	☐	Work Location: **OBOD Site 1**		
		Is a sample panel required?	☐ Yes	☑ No
		Is initial work considered as a sample?	☐ Yes	☑ No
☑	☐	Check for omissions and resolve any differences or interpretations with the government/client representative.		
☑	☐	Check safety to include compliance with Safety Plan and Activity Hazard Analyses. Review the Activity Hazard Analyses.		
☑	☐	Were procedures and work methods witnessed in strict compliance with project requirements?	☑ Yes ☐ No	
☑	☐	Is a re-inspection required?	☐ Yes ☑ No	

320-6 FOLLOW UP PHASE INSPECTION

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		31-Mar-17	
Project Location:	Ft. Bliss, Texas				
DFW:	Subsurface Anomaly Investigation	**Spec Sect.**		**Drawing**	

D. BRIEF SUMMARY OF INITIAL INSPECTION PROCEDURE AND RESULT, POINTS OF CONCERN, ETC.:

Observed operations. All procedures accomplished IAW safety directives and WP.

Quality Control Representative: (b) (6) [redacted]

Date 4/3/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments	Daily Narrative
			Arrived on site 0630, Safety brief conducted by Gerry Hills, 6 attendees. Site specific topics: MEC safety, Heavy equipment safe operations, Hydration, sun protection. Continuing investigation of backhoe digs in OB/OD 1. Schedule for 4-4-2017: continue pit and trench investigation.
Surface Sweep Transect Linear ft	NA		
DGM Transect collected Linear ft	NA		
Point Anomalies Investigated ea.	NA		
Pit/Trench Anomalies Investigated ea.	6	No MPPEH or MEC found	
Total Industrial debris recovered lbs	NA		
Total Material Documented As Safes (MDAS) recovered today lbs	1		
Total MPPEH Recovered lb.	NA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	NA		
Instructions Received From Customer Representative			

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/022	DAY	Monday	Date:	April 3, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	**Contract No.:** **Task Order No.:**	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy **Temperature:** 59°F **Min.** 77°F **Max.**

Wind: ☐ Calm ☐ Breeze ☑ Windy **Precipitation:** **Rain** 0 **Snow** 0

Max Wind Speed: 26 mph **Weather Information Source:** www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	10.0	207.0	Cape	SUXOS
2	(b) (6)	10.0	207.0	Cape	UXOSO/UXOQC
3	(b) (6)	10.0	207.0	Cape	TECH III
4	(b) (6)	10.0	207.0	Cape	UXO Tech II
5	(b) (6)		197.0	Cape	UXO Tech II
6	(b) (6)		154.0	Cape	UXO Tech II
7	(b) (6)	10.0	207.0	Cape	UXO Escort
8					
9	(b) (6)	10.0	207.0	Parsons	Field Technician
10	(b) (6)		119.0	Parsons	Site/Project Geophysicist
11	(b) (6)		47.0	Parsons	Field Technician
	Total Hours:	**60.0**	**1759.0**		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		04/03/17	31	3	5	
Chevy Silverado- Black - Cape	3/3/2017		04/03/17	31	3	5	
Nissan Titan 4x4 - Parsons	2/28/2017		04/03/17	34	3	5	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		04/03/17	31	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		04/03/17	33	8	0	
John Deere 310p Backhoe	3/25/2017		04/03/17	9	8	0	
RTK GPS	2/28/2017		04/03/17	34	0	8	
EM61 Portable Array	3/13/2017		04/03/17	22	0	8	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Completed test pit excavations of ID numbers 09-01, 11-01, 11-02, 11-03, 14-01 and 14-02. No MEC or MPPEH found.
b	Collected soil samples from pit numbers 09-01 and 14-02.
c	
d	
e	
f	
g	
h	

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17
j	Demobilization			

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/022	DAY	Monday	Date:	April 3, 2017

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MS/MSD - Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/31/17	0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	03/31/17	0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-15"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-42"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-54"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-36"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-03-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/03/17	0B0D1-DF14-SS-04-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate

Comments:

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/022	DAY	Monday	Date:	April 3, 2017

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
Subsurface Anomaly Investigation	Area 1, Pit ID's 11-02 and 14-02.	Accept

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐ Yes ☐ No
b							☐ Yes ☐ No
c							☐ Yes ☐ No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X	Heavy Equipment	X				

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Asbestos, Vehicle Safety, Heat Stress, Housekeeping, PPE

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Continue subsurface anomaly investigation and soil sampling of priority polygons.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/022	DAY	Monday	Date:	April 3, 2017

12. Safety Hours:			
Daily safety hours including CAPE and Subcontractors:	60.0	Number of On-site Workdays:	22
Cumulative safety hours to date:	1759.0	Calendar Days since Start of Work:	35

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be noted above.

(b) (6)

[redacted]

3-Apr-17
Date

3-Apr-17
Date

3-Apr-17
Date

TAILGATE SAFETY MEETING RECORD

Day / Date: Monday, April 03, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, El Paso, Texas	
Work Description: Subsurface Anomaly Investigation; Soil Sampling	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. PPE
3. Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Heat stress.**
2. **Good housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

SAFETY MEETING ATTENDEES

	Name Printed / Initial
(b) (6) [redacted]	8.
	9.
	10.
	11.
	12.
	13.
	14.
	Hills, UXO

(b) (6) [redacted]

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	April 3, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

(b) (6)

TIME		NAME	ORGANIZATION
IN	OUT		
0630	1700	[redacted]	CAPE
0630	1700	[redacted]	CAPE
0630	1700	[redacted]	CAPE
0630	1700	[redacted]	Parsons
0630	1700	[redacted]	CAPE
0630	1700	[redacted]	CAPE
		[redacted]	
		[redacted]	

CAPE Form 320-1, Revised January, 2009

Date 4/4/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	NA	
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	1	No MPPEH found
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	148	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	1	37mm
MEC Turned over today (ea)	NA	
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 6 attendees. Site specific topics: MEC safety, Heavy equipment safe operations, Hydration, sun protection. 0930 Operations ceased due to high winds 35 to 45 mph. Continuing investigation of backhoe digs in OB/OD 1. Schedule for 4-5-2017: continue pit and trench investigation.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/023	DAY	Tuesday	Date:	April 4, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	**Contract No.:** **Task Order No.:**	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy **Temperature:** 61°F **Min.** 69°F **Max.**

Wind: ☐ Calm ☐ Breeze ☑ Windy **Precipitation:** **Rain** 0 **Snow** 0

Max Wind Speed: 45 mph **Weather Information Source:** www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	3.0	210.0	Cape	SUXOS
2	(b) (6)	3.0	210.0	Cape	UXOSO/UXOQC
3	(b) (6)	3.0	210.0	Cape	TECH III
4	(b) (6)	3.0	210.0	Cape	UXO Tech II
5	(b) (6)		197.0	Cape	UXO Tech II
6	(b) (6)		154.0	Cape	UXO Tech II
7	(b) (6)	3.0	210.0	Cape	UXO Escort
8					
9	(b) (6)	3.0	210.0	Parsons	Field Technician
10	(b) (6)		119.0	Parsons	Site/Project Geophysicist
11	(b) (6)		47.0	Parsons	Field Technician
	Total Hours:	**18.0**	**1777.0**		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		04/04/17	32	1	2	
Chevy Silverado- Black - Cape	3/3/2017		04/04/17	32	1	2	
Nissan Titan 4x4 - Parsons	2/28/2017		04/04/17	35	1	2	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		04/04/17	32	2	1	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		04/04/17	34	2	1	
John Deere 310p Backhoe	3/25/2017		04/04/17	10	2	1	
RTK GPS	2/28/2017		04/04/17	35	0	3	
EM61 Portable Array	3/13/2017		04/04/17	23	0	3	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Completed test pit excavations of ID numbers 02-01. One 37mm projectile found.
b	Collected soil samples from pit numbers 02-01.
c	
d	
e	
f	
g	
h	

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17
j	Demobilization	04/04/17		

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/023	DAY	Tuesday	Date:	April 4, 2017

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MS/MSD - Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/31/17	0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	03/31/17	0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-15"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-42"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-54"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-36"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-03-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/03/17	0B0D1-DF14-SS-04-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/04/17	0B0D1-DF2-SS-01-13"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	MS/MSD
Discriminant	04/04/17	0B0D1-DF2-SS-01-38"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Discriminant	04/04/17	0B0D1-DF2-SS-01-50"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	

Comments:

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/023	DAY	Tuesday	Date:	April 4, 2017

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
Subsurface Anomaly Investigation	Area 1, Pit ID's 02-01.	Accept

7. Material Received: (Note Inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐ Yes ☐ No
b							☐ Yes ☐ No
c							☐ Yes ☐ No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X	Heavy Equipment	X				

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Asbestos, Vehicle Safety, Heat Stress, Housekeeping, Proper Lifting Techniques.

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Continue subsurface anomaly investigation and soil sampling of priority polygons.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/023	DAY	Tuesday	Date:	April 4, 2017

12. Safety Hours:			
Daily safety hours including CAPE and Subcontractors:	18.0	Number of On-site Workdays:	23
Cumulative safety hours to date:	1777.0	Calendar Days since Start of Work:	36

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as m

(b) (6)

[redacted]

4-Apr-17
Date

4-Apr-17
Date

4-Apr-17
Date

TAILGATE SAFETY MEETING RECORD

Day / Date: Tuesday, April 04, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, El Paso, Texas	
Work Description: Subsurface Anomaly Investigation; Soil Sampling	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Proper Lifting Techniques
3. Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Heat stress.**
2. **Good housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

SAFETY MEETING ATTENDEES

Name Printed / Initial	Name Printed / Initial
(b) (6) [redacted]	8.
	9.
	10.
	11.
	12.
	13.
	14.

Meeting conducted by (print name / signature): Gerould Hills, UXOS (b) (6) [redacted]

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	April 4, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME		NAME	ORGANIZATION
IN	OUT		
0630	0930	(b) (6)	CAPE
0630	0930		CAPE
0630	0930		CAPE
0630	0930		CAPE
0630	0930		PARSONS
0630	0930		CAPE

CAPE Form 320-1, Revised January, 2009

[redacted]

nd Demobilization

Held On:

7.	Print: Sign:	17.	Print: Sign:	27.	Print: Sign:
8.	Print: Sign:	18.	Print: Sign:	28.	Print: Sign:
9.	Print: Sign:	19.	Print: Sign:	29.	Print: Sign:
10.	Print: Sign:	20.	Print: Sign:	30.	Print: Sign:
11.	Print: Sign:	21.	Print: Sign:		
12.	Print: Sign:	22.	Print: Sign:		
13.	Print: Sign:	23.	Print: Sign:		
14.	Print: Sign:	24	Print: Sign:		
15.	Print: Sign:	25.	Print: Sign:		
16.	Print: Sign:	26.	Print: Sign:		

AHA R[redacted]

Print N[redacted]

Signatu[redacted]

UX050/UX0da

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		4-Apr-17	
Project Location:	Ft. Bliss, TX				
DFW:	Site Restoration and Demobilization	**Spec Sect.**		**Drawing**	

1. PREPARATORY PHASE INSPECTION / MEETING ATTENDEES:

	(b) (6)	POSITION	COMPANY / CLIENT
1	[redacted]	SUXOS	Cape
2		UXOSO/UXOQC	Cape
3		Field Technician	Parsons
4		UXO Tech III	Cape
5		UXO Tech II	Cape
6		UXO Escort	Cape
7			
8			
9			
10			

2. PREPARATORY PHASE INSPECTION CHECKLIST:

A. DOCUMENT REVIEW:

Done	N/A	Description	Results	Action Items
☑	☐	Review each applicable sections of the Work Plan		
☑	☐	Review all applicable Standard Operating Procedures.		
☐	☑	Review Explosive Safety Submittal (ESS).		

B. SUBMITTAL STATUS REVIEW:

Review of all Submittal requirements to ensure that all materials and/or equipment have been tested, submitted, and approved.

☑	☐	Have all materials been submitted, tested, and approved?	☑ Yes ☐ No	
☑	☐	Has all equipment been submitted, tested, and approved?	☑ Yes ☐ No	

C. OFFSITE DISPOSAL OF MATERIALS:

☑	☐	Have all materials for disposal offsite been sampled and properly characterized for disposal?	☑ Yes ☐ No ☐ N/A	
☐	☑	Have Landfills been contacted and received copy of waste characterization results?	☐ Yes ☐ No ☑ N/A	

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		4-Apr-17	
Project Location:	Ft. Bliss, TX				
DFW:	Site Restoration and Demobilization	**Spec Sect.**		**Drawing**	

☑	☐	Have all Parties related to the approval process for hauling offsite been contacted and have they approved disposal methods?	☑ Yes ☐ No ☐ N/A	
☐	☑	Has it been verified that the Transporter of the material is properly licensed for hauling of this material?	☐ Yes ☐ No ☑ N/A	
☑	☐	Has the process/procedure for signing Waste Manifests been clearly established?	☑ Yes ☐ No ☐ N/A	DD Form 1348 for MDAS and trash dumpster.
D. WORK AREA INSPECTION:				
☑	☐	Has all required preliminary work been completed and accepted to allow this DFW to start?	☑ Yes ☐ No ☐ N/A	
☐	☑	Are all required Permits received and on file on the jobsite and/or properly posted?	☐ Yes ☐ No ☑ N/A	
E. MATERIAL AND EQUIPMENT INSPECTION:				
☑	☐	Are all required materials on hand (or scheduled for delivery to avoid schedule delays)?	☑ Yes ☐ No ☐ N/A	
☐	☑	Is all material properly stored and protected, as applicable?	☐ Yes ☐ No ☑ N/A	
☑	☐	Are all pieces of equipment or modules on hand (or scheduled for delivery to avoid schedule delays)?	☑ Yes ☐ No ☐ N/A	
☐	☑	Is all equipment or modules properly stored and protected, as applicable?	☐ Yes ☐ No ☑ N/A	
F. REVIEW OF SAFETY REQUIREMENTS:				
☑	☐	*Review appropriate AHAs to ensure safety requirements are met.* Comments: **All Personnel read and signed the AHA's**		

320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		4-Apr-17	
Project Location:	Ft. Bliss, TX				
DFW:	Site Restoration and Demobilization	**Spec Sect.**		**Drawing**	

G. REVIEW OF WORK PERFORMANCE / TESTING / INSPECTION REQUIREMENTS:				
☑	☐	Discuss procedures to accomplish the work, including points of control.		
☑	☐	Establish construction tolerances and workmanship standards for this DFW.		
☑	☐	Review provisions that have been made to provide required quality control (check applicable one)		
		☐ Subcontractor / Consultant		
		☑ QC Officer or another member of QC Team		
		☐ 3rd Party Inspection		
☐	☑	Quality Control Testing:		
		Tests to be Performed:		
		Frequency of Tests:		
		Testing by Whom:		
		When:		
		Where:	On Site	
		Has Testing Facility Been Approved?	☐ Yes ☐ No	N/A
		For Testing performed on site, has testing equipment and test methods been submitted?	☐ Yes ☐ No	
		Has Testing Equipment been calibrated before use or calibration certificate been provided before use?	☐ Yes ☐ No	N/A
☑	☐	Verify that portion of Work Plan for work to be performed has been accepted by the government.		
☑	☐	Discuss the Initial Control Phase.		

I hereby declare that: The above required materials delivered to the job site and methods and procedures are certified to fully comply with the project requirements.

Quality Control Representative: (b) (6) [redacted]

MEC Accountability Log
Inventory of Munitions Recovered from OB/OD Site 1 and OB Site 2, Biggs AAF, Ft. Bliss, Texas

MEC Accountability Log

Item Number	Date Recovered	Location	Suspect MEC Sheet Number	Depth	Description of Item	Condition	Quantity Recovered	Item Safe to Move	Date of Disposal	Comments
1	3/10/2017	OBOD Site 1, Area 1	1	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
2 - 6	3/10/2017	OBOD Site 1, Area 1	2	0	37mm Projectile, T324E23	Unfired	5	Yes	3/10/2017	Turned over to 734 EOD
7	3/10/2017	OB2	3	0	40mm Projectile, Mk2	Fired	1	Yes	3/10/2017	Turned over to 734 EOD
8 - 26	3/10/2017	OBOD Site 1, Area 1	4	0	20mm Cartridge, TP, M99	Unfired	19	Yes	3/10/2017	Turned over to 734 EOD
27	3/10/2017	OBOD Site 1, Area 1	5	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
28	3/10/2017	OBOD Site 1, Area 1	6	0	Bulk HE (~1 pound)	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
29	3/10/2017	OBOD Site 1, Area 1	7	0	20mm Projectile, HEI, M97	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
30	3/10/2017	OBOD Site 1, Area 1	8	0	Tracer for 37mm T324E23	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
31 - 32	3/10/2017	OBOD Site 1, Area 1	9	0	20mm Projectile, HEI, M97	Unfired	2	Yes	3/10/2017	Turned over to 734 EOD
33	4/4/2017	OBOD Site 1, Area 1	10	0	37mm Projectile, T324E23	Unfired	1	Yes		
						Total	**33**			

CAPE

MDAS Accumulation Form for Drum/Container Number: 1

Date	Description/NIIN	Qty (lbs)	Type of Treatment*
16-Mar-17	20mm Projectiles	32	
16-Mar-17	37mm Cartridge Cases & Flash Tubes	38	
16-Mar-17	Small Arms Projectiles	40	
16-Mar-17	Engine Starter Cart	1	
16-Mar-17	2.36 Rocket Motor	1	
16-Mar-17	2.75" FFAR Shorting Caps	1	
16-Mar-17	Frag	8	
16-Mar-17	Fuze Parts	4	
20-Mar-17	40mm Flare Case	0.25	
20-Mar-17	20mm Projectiles & Case	1	
20-Mar-17	37mm Flash Tubes	0.75	
20-Mar-17	Small Arms Projectiles	3	
20-Mar-17	Frag	5	
21-Mar-17	20mm Projectiles	5	
21-Mar-17	37mm Cartridge Case, Mk3A2	4	
21-Mar-17	Frag	7	
21-Mar-17	Pusher Plate	1	
27-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	20mm Projectiles & Cases	0.5	
28-Mar-17	Frag	0.5	
29-Mar-17	M1A1 Spotting Charge Part	0.5	
29-Mar-17	3.5" Rocket Fin Shroud	0.5	
29-Mar-17	Frag	1	
29-Mar-17	20mm Projectiles & Cases	1	
30-Mar-17	20mm Projectiles & Cases	4	
30-Mar-17	Frag	4	
30-Mar-17	Small Arms Projectiles & Cases	1	
31-Mar-17	20mm Projectiles & Cases	2	
31-Mar-17	Frag	1	
31-Mar-17	Small Arms Projectiles & Cases	1	
3-Apr-17	Small Arms Projectiles & Frag	0.5	
3-Apr-17	20mm Projectiles and Cases	0.5	
4-Apr-17	37mm Cartridge Cases & Flash Tubes	135	
4-Apr-17	Frag	11	
4-Apr-17	20mm Projectiles and Cases	1	
4-Apr-17	40mm Cartridge Cases	1	
	Total	**320**	

*If Applicable

Certification Signatures on Reverse

"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of knowledge and belief does not pose an explosive hazard"

CERTIFIER

Signature : (b) (6) Date: 4/4/2017

Printed Name: (b) (6)

Position: UXOSO/UXOQC

Organization Name: Cape Environmental Management

Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071

Organization Phone Number: (b) (6)

VERIFIER

Signature : (b) (6) Date: 4/4/2017

Printed Name: (b) (6)

Position: SUXOS

Organization Name: Cape Environmental Management

Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071

Organization Phone Number: (b) (6)

Date 4/5/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	NA	
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	1	No MPPEH found
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	2	37mm
MEC Turned over today (ea)	NA	
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 6 attendees. Site specific topics: MEC safety, Heavy equipment safe operations, Hydration, sun protection. Completed investigation of backhoe digs in OB/OD 1 and resampling of OB/OD 2. Schedule for 4-6-2017: Begin preparing/packaging of equipment for demobilization. Schedule pick-up of rental equipment.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/024	DAY	Wednesday	Date:	April 5, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	**Contract No.:** **Task Order No.:**	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy **Temperature:** 43°F **Min.** 69°F **Max.**

Wind: ☐ Calm ☑ Breeze ☐ Windy **Precipitation:** **Rain** 0 **Snow** 0

Max Wind Speed: 12 mph **Weather Information Source:** www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	10.0	220.0	Cape	SUXOS
2	(b) (6)	10.0	220.0	Cape	UXOSO/UXOQC
3	(b) (6)	10.0	220.0	Cape	TECH III
4	(b) (6)	10.0	220.0	Cape	UXO Tech II
5	(b) (6)		197.0	Cape	UXO Tech II
6	(b) (6)		154.0	Cape	UXO Tech II
7	(b) (6)	10.0	220.0	Cape	UXO Escort
8					
9	(b) (6)	10.0	220.0	Parsons	Field Technician
10	(b) (6)		119.0	Parsons	Site/Project Geophysicist
11	(b) (6)		47.0	Parsons	Field Technician
	Total Hours:	**60.0**	**1837.0**		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		04/05/17	33	3	5	
Chevy Silverado- Black - Cape	3/3/2017		04/05/17	33	3	5	
Nissan Titan 4x4 - Parsons	2/28/2017	4/5/17	04/05/17	36	8	0	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		04/05/17	33	6	2	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		04/05/17	35	6	2	
John Deere 310p Backhoe	3/25/2017		04/05/17	11	2	6	
RTK GPS	2/28/2017	4/5/17	04/04/17	36	0	3	
EM61 Portable Array	3/13/2017	4/5/17	04/04/17	24	0	3	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Completed test pit excavations of ID numbers 02-02. Two 37mm projectiles found.
b	Collected soil samples from OB site 2
c	
d	
e	
f	
g	
h	

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17
j	Demobilization	04/04/17	04/05/17	

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/024	DAY	Wednesday	Date:	April 5, 2017

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MS/MSD - Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/31/17	0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	03/31/17	0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-15"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-42"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-54"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-36"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-03-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/03/17	0B0D1-DF14-SS-04-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/04/17	0B0D1-DF2-SS-01-13"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	MS/MSD
Discriminant	04/04/17	0B0D1-DF2-SS-01-38"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Discriminant	04/04/17	0B0D1-DF2-SS-01-50"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Incremental	04/05/17	0B2-SU01-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-02	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-03	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU02-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU02-SS-02	Explosives, MC Metals, Ph	04/05/17	SO	MS/MSD

Comments:

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/024	DAY	Wednesday	Date:	April 5, 2017

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
Subsurface Anomaly Investigation	Area 1, Pit ID's 02-02	Accept

7. Material Received: (Note inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐Yes ☐No
b							☐Yes ☐No
c							☐Yes ☐No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X	Heavy Equipment	X				

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Asbestos, Vehicle Safety, Heat Stress, Housekeeping, Attention to detail

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Prepare/package equipment for demobilization.
Turn in of unused rental equipment.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/024	DAY	Wednesday	Date:	April 5, 2017

12. Safety Hours:			
Daily safety hours including CAPE and Subcontractors:	60.0	Number of On-site Workdays:	24
Cumulative safety hours to date:	1837.0	Calendar Days since Start of Work:	37

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be nc

(b) (6)

5-Apr-17
Date

5-Apr-17
Date

5-Apr-17
Date

CAPE

TAILGATE SAFETY MEETING RECORD

Day / Date: Wednesday, April 05, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, El Paso, Texas	
Work Description: Subsurface Anomaly Investigation; Soil Sampling	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Attention to Detail
3. Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Heat stress.**
2. **Good housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

SAFETY MEETING ATTENDEES

	Name Printed / Initial
[redacted] (b) (6)	8.
	9.
	10.
	11.
	12.
	13.
	14. (b) (6) [redacted]
uld Hills, U	

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	April 5, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME IN	TIME OUT	NAME	ORGANIZATION
0630	1700	(b) (6) [redacted]	CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		PARSONS
0630	1700		CAPE

CAPE Form 320-1, Revised January, 2009

SGS ACCUTEST

SGS Accutest Southeast
Chain of Custody

SGS ACCUTEST JOB # :   PAGE 1 OF

SGS Accutest Quote #   SKIFF #

Client / Reporting Information

Company Name: Parsons
Address: 8000 Centre Park Dr
City: Austin   State: TX   Zip: 78754
Project Contact: [redacted]
Phone #: 512.476.5042 [redacted]
Sampler(s) Name(s) (Printed): [redacted]
Sampler 2: [redacted] (Cape)

Project Information

Project Name: FORT BLISS
Street:
City: EL PASO   State: TX
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air

SGS Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	Metals	Explosives	PH	MS/MSD	Lab Use Only
	~~0B001~~ BB	4/5/17		BB	So	1														
	0B2-SU01-SS-01		1000													X	X	X	BB	
	0B2-SU01-SS-02		1000													X	X	X		
	0B2-SU01-SS-03		1000													X	X	X		
	0B2-SU02-SS-01		0830													X	X	X		
	0B2-SU03-SS-02		1100													X	X	X	X	

Turnaround Time (Business days)

- 10 Day (Business)
- 7 Day
- 5 Day
- 3 Day *RUSH*
- 2 Day *RUSH*
- 1 Day *RUSH*
- Other

Approved By: / Date: NO RUSH, STANDARD TAT

Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- ☐ COMMERCIAL "A" (RESULTS ONLY)
- ☐ COMMERCIAL "B" (RESULTS PLUS QC)
- ☐ REDT1 (EPA LEVEL 3)
- ☐ FULLT1 (EPA LEVEL 4)
- ☐ EDD'S

Comments / Remarks

RETURN COOLER TO PARSONS

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
[redacted]	4/5/17 1400	2	3		4
Relinquished by/Affiliation 5	Date Time:	Received By/Affiliation 6	Relinquished By/Affiliation 7	Date Time:	Received By/Affiliation 8

Lab Use Only : Cooler Temperature (s) Celsius:

10/03/2018

MEC Accountability Log

Inventory of Munitions Recovered from OB/OD Site 1 and OB Site 2, Biggs AAF, Ft. Bliss, Texas

MEC Accountability Log

Item Number	Date Recovered	Location	Suspect MEC Sheet Number	Depth	Description of Item	Condition	Quantity Recovered	Item Safe to Move	Date of Disposal	Comments
1	3/10/2017	OBOD Site 1, Area 1	1	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
2 - 6	3/10/2017	OBOD Site 1, Area 1	2	0	37mm Projectile, T324E23	Unfired	5	Yes	3/10/2017	Turned over to 734 EOD
7	3/10/2017	OB2	3	0	40mm Projectile, Mk2	Fired	1	Yes	3/10/2017	Turned over to 734 EOD
8 - 26	3/10/2017	OBOD Site 1, Area 1	4	0	20mm Cartridge, TP, M99	Unfired	19	Yes	3/10/2017	Turned over to 734 EOD
27	3/10/2017	OBOD Site 1, Area 1	5	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
28	3/10/2017	OBOD Site 1, Area 1	6	0	Bulk HE (~1 pound)	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
29	3/10/2017	OBOD Site 1, Area 1	7	0	20mm Projectile, HEI, M97	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
30	3/10/2017	OBOD Site 1, Area 1	8	0	Tracer for 37mm T324E23	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
31 - 32	3/10/2017	OBOD Site 1, Area 1	9	0	20mm Projectile, HEI, M97	Unfired	2	Yes	3/10/2017	Turned over to 734 EOD
33	4/4/2017	OBOD Site 1, Area 1	10	0	37mm Projectile, T324E23	Unfired	1	Yes		
34 - 35	4/5/2017	OBOD Site 1, 02-02	11	1	37mm Projectile, T324E23	Unfired	2	Yes		
						Total	35			

320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13D-003	**Task Order No:**		003	
CAPE Project No.:	21003.003	**Date:**		5-Apr-17	
Project Location:	Ft. Bliss, TX				
DFW:	Demobilization and Site Restoration	**Spec Sect.**		**Drawing**	

1. INITIAL PHASE INSPECTION / MEETING ATTENDEES:

	NAME	POSITION	COMPANY / CLIENT
1	(b) (6)	SUXOS	Cape
2	(b) (6)	UXOSO/UXOQC	Cape
3	(b) (6)	Field Technician	Parsons
4	(b) (6)	UXO Tech III	Cape
5	(b) (6)	UXO Tech II	Cape
6	(b) (6)	UXO Escort	Cape
Was Client Representative notified?		☐ Yes	☑ No

2. INITIAL PHASE INSPECTION CHECKLIST:

A. GENERAL ITEMS:

Done	N/A	Description	Results	Action Items
☑	☐	Check preliminary work and review minutes of the Preparatory Inspection / Meeting.		
☑	☐	Check that materials and equipment being used comply with project requirements.		
☑	☐	Check the work to ensure it is full compliance with the project requirements.		

B. CONTROLS TO ASSURE FULL COMPLIANCE:

		Controls	Testing
☑	☐	☑ QC Officer Observations ☐ Qualified Inspector ☐ 3rd Party Inspection & Testing ☐ Other, _____	☐ Checked Testing procedure ☐ Checked Instrumentation Calibration ☐ Checked recording Forms & Tracking ID No. ☑ None

C. ESTABLISH LEVEL OF WORKMANSHIP:

☑	☐	Work Location: OBOD Site 1 and OB Site 2		
		Is a sample panel required?	☐ Yes	☑ No
		Is initial work considered as a sample?	☐ Yes	☑ No
☑	☐	Check for omissions and resolve any differences or interpretations with the government/client representative.		
☑	☐	Check safety to include compliance with Safety Plan and Activity Hazard Analyses. Review the Activity Hazard Analyses.		
☑	☐	Were procedures and work methods witnessed in strict compliance with project requirements?	☑ Yes ☐ No	
☑	☐	Is a re-inspection required?	☐ Yes ☑ No	

D. BRIEF SUMMARY OF INITIAL INSPECTION PROCEDURE AND RESULT, POINTS OF CONCERN, ETC.:

All work/procedures observed were safely conducted and IAW with project documents.

320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:	W91ZLK-13D-003	**Task Order No:**		003	
CAPE Project No.:	21003.003	**Date:**		5-Apr-17	
Project Location:	Ft. Bliss, TX				
DFW:	Demobilization and Site Restoration	**Spec Sect.**		**Drawing**	

Quality Control Representative: (b) (6) [redacted]

CAPE

HEAVY EQUIPMENT INSPECTION REPORT

Day / Date:	Wednesday, April 05, 2017
Project Name:	RI Biggs AAF Site 1
Project Location:	Biggs AAF, El Paso, Texas
Equipment Type:	Backhoe
Mfr / Model:	John Deere 310EP

Inspection Description	Checked	Observations (readings, levels, condition, damage, repairs needed)
General appearance	✓	
Hour meter reading	2579.9	
Engine operation / check belts	✓	
Engine oil / water level	✓	
Transmission oil level	✓	
Hydraulic / misc. oil level	✓	
Brake operation / fluid level	✓	
Grease	✓	
Batteries	✓	
Fuel level (gas / diesel)	✓	
Hoses & fittings (air, hydraulic…)	✓	
Operation / controls	✓	
Tires / tracks	✓	
Cab (mirrors, seatbelt, glass, horn, turn signals, lights, wipers)	✓	
Back-up lights and alarm	✓	
Fire extinguisher condition	✓	
Coupling devices and connectors	N/A	
Exhaust system	✓	
Blade / boom / bucket	✓	
Frame, ladders and walkway	✓	
Steering	✓	

Defects and Repairs Needed / Comments:

Inspected By: (b) (6) [redacted]

Date 4/6/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments	Daily Narrative
			Arrived on site 0630, Safety brief conducted by Gerry Hills, 5 attendees. Site specific topics: Hydration, sun protection. Began preparing/packaging of equipment for demobilization. Backhoe picked up. Schedule for 4-7-2017: Continue preparing/packaging of equipment. Site Restoration. Porta-pot and rolloff pick up. Ship MDAS.
Surface Sweep Transect Linear ft	NA		
DGM Transect collected Linear ft	NA		
Point Anomalies Investigated ea.	NA		
Pit/Trench Anomalies Investigated ea.	NA		
Total Industrial debris recovered lbs	NA		
Total Material Documented As Safes (MDAS) recovered today lbs	NA		
Total MPPEH Recovered lb.	NA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	NA		
Instructions Received From Customer Representative			

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/025	DAY	Thursday	Date:	April 6, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas	**Contract No.:** **Task Order No.:**	W91ZLK-13-D-0003 0003

Weather: ☐ Clear ☑ Partly Cloudy ☐ Cloudy **Temperature:** 44°F **Min.** 75°F **Max.**

Wind: ☑ Calm ☐ Breeze ☐ Windy **Precipitation:** **Rain** 0 **Snow** 0

Max Wind Speed: 9 mph **Weather Information Source:** www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	(b) (6)	10.0	230.0	Cape	SUXOS
2	Gerould Hills	10.0	230.0	Cape	UXOSO/UXOQC
3	Temple Coffindaffer	10.0	230.0	Cape	TECH III
4	Gery Base	10.0	230.0	Cape	UXO Tech II
5	Ed Fisher		197.0	Cape	UXO Tech II
6	Dave Cole		154.0	Cape	UXO Tech II
7	Laura Coffindaffer	10.0	230.0	Cape	UXO Escort
8					
9	Bill Butler		220.0	Parsons	Field Technician
10	Brett Lyons		119.0	Parsons	Site/Project Geophysicist
11	Edward Ofoari-asabere		47.0	Parsons	Field Technician
	Total Hours:	**50.0**	**1887.0**		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	e	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		04/06/17	34	3	5	
Chevy Silverado- Black - Cape	3/3/2017		04/06/17	34	3	5	
Nissan Titan 4x4 - Parsons	2/28/2017	4/5/17	04/05/17	37	8	0	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		04/06/17	34	6	2	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		04/06/17	36	6	2	
John Deere 310p Backhoe	3/25/2017	4/6/17	04/06/17	12	2	6	
RTK GPS	2/28/2017	4/5/17	04/04/17	37	0	3	
EM61 Portable Array	3/13/2017	4/5/17	04/04/17	25	0	3	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Cleaned and packaged equipment for demobilization
b	Dry decontamination of backhoe.
c	Prepared MDAS barrel for shipment.
d	Notified Victor Garcia, DPW, to request EOD support to pick up three 37mm projectiles recovered this week. Informed that EOD could not respond until tomorrow. Items secured.
e	
f	
g	
h	

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17
j	Demobilization	04/04/17	04/05/17	04/06/17

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/025	DAY	Thursday	Date:	April 6, 2017

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MS/MSD - Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/31/17	0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	03/31/17	0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-15"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-42"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-54"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-36"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-03-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/03/17	0B0D1-DF14-SS-04-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/04/17	0B0D1-DF2-SS-01-13"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	MS/MSD
Discriminant	04/04/17	0B0D1-DF2-SS-01-38"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Discriminant	04/04/17	0B0D1-DF2-SS-01-50"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Incremental	04/05/17	0B2-SU01-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-02	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-03	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU02-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU02-SS-02	Explosives, MC Metals, Ph	04/05/17	SO	MS/MSD

Comments:

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/025	DAY	Thursday	Date:	April 6, 2017

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)

7. Material Received: (Note inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐ Yes ☐ No
b							☐ Yes ☐ No
c							☐ Yes ☐ No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X	Heavy Equipment	X				

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Asbestos, Vehicle Safety, Heat Stress, Housekeeping, Material Handling

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Prepare/package equipment for demobilization.
Turn in of remaining rental equipment.
Site Restoration
Ship MDAS

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/025	DAY	Thursday	Date:	April 6, 2017

12. Safety Hours:			
Daily safety hours including CAPE and Subcontractors:	50.0	Number of On-site Workdays:	25
Cumulative safety hours to date:	1887.0	Calendar Days since Start of Work:	38

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may b

(b) (6)

6-Apr-17
Date

6-Apr-17
Date

TAILGATE SAFETY MEETING RECORD

Day / Date: Thursday, April 06, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, El Paso, Texas	
Work Description: Site Clean-up, Equipment Inventory and Packing, Rental Equipment Turn In	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Material Handling
3. Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Heat stress.**
2. **Good housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

SAFETY MEETING ATTENDEES

Name Printed / Initial	Name Printed / Initial
(b) (6) [redacted]	

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	April 6, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME		NAME	ORGANIZATION
IN	OUT		
0630	1700	(b) (6)	CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE

CAPE Form 320-1, Revised January, 2009

320-6 FOLLOW UP PHASE INSPECTION

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		6-Apr-17	
Project Location:	Biggs AAF, Ft. Bliss, El Paso, Texas				
DFW:	Demobilization and Site Restoration	**Spec Sect.**		**Drawing**	

1. INITIAL PHASE INSPECTION / MEETING ATTENDEES:

	NAME	POSITION	COMPANY / CLIENT
1	(b) (6)	SUXOS	Cape
2	(b) (6)	UXOSO/UXOQC	Cape
3	(b) (6)	UXO Tech III	Cape
4	(b) (6)	UXO Tech II	Cape
5	(b) (6)	UXO Escort	Cape
Was Client Representative notified?			☐ Yes ☑ No

2. INITIAL PHASE INSPECTION CHECKLIST:

A. GENERAL ITEMS:

Done	N/A	Description	Results	Action Items
☑	☐	Check preliminary work and review minutes of the Preparatory Inspection / Meeting.		
☐	☑	Check that materials and equipment being used comply with project requirements.		
☑	☐	Check the work to ensure it is full compliance with the project requirements.		

B. CONTROLS TO ASSURE FULL COMPLIANCE:

		Controls	Testing
☑	☐	☑ QC Officer Observations ☐ Qualified Inspector ☐ 3rd Party Inspection & Testing ☐ Other, _____	☐ Checked Testing procedure ☐ Checked Instrumentation Calibration ☐ Checked recording Forms & Tracking ID No. ☑ None

C. ESTABLISH LEVEL OF WORKMANSHIP:

☑	☐	Work Location: OBOD Site 1		
		Is a sample panel required?	☐ Yes	☑ No
		Is initial work considered as a sample?	☐ Yes	☑ No
☑	☐	Check for omissions and resolve any differences or interpretations with the government/client representative.		
☑	☐	Check safety to include compliance with Safety Plan and Activity Hazard Analyses. Review the Activity Hazard Analyses.		
☑	☐	Were procedures and work methods witnessed in strict compliance with project requirements?	☑ Yes ☐ No	
☐	☑	Is a re-inspection required?	☐ Yes ☐ No	

320-6 FOLLOW UP PHASE INSPECTION

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**		0003	
CAPE Project No.:	21003.003	**Date:**		6-Apr-17	
Project Location:	Biggs AAF, Ft. Bliss, El Paso, Texas				
DFW:	Demobilization and Site Restoration	**Spec Sect.**		**Drawing**	

D. BRIEF SUMMARY OF INITIAL INSPECTION PROCEDURE AND RESULT, POINTS OF CONCERN, ETC.:
All procedures IAW with UFP-QAPP and SSHP.

Quality Control Representative: (b) (6) [redacted]

US ARMY CORPS OF ENGINEERS (USACE)
MUNITIONS RESPONSE
QUALITY ASSURANCE REPORT (QAR) FORM
The proponent agency is CESO. *See instructions on page 2.*

1. REPORT NO. *(1,2,3, etc., for the Task Order (T.O.))*

2. USACE REPRESENTATIVE'S NAME
(b) (6) J

3. DATE ACTIVITY COMPLETED
2017-04-04

4. PROJECT NAME	5. PROJECT LOCATION	6. WEATHER CONDITIONS
RI at Biggs AAF OB/OD Site 1 and SI	Biggs AAF, El Paso, TX	Sunny, Lo-45; Hi-78

7. CONTRACTOR	8. CONTRACT NUMBER	W91ZLK-13-D-0003
Parsons/Cape	9. T.O. NUMBER	0003

10. DISTRIBUTED TO (*check boxes and insert individual's name*)

☒	a. District Program/Project Manager Richard Smith	☐	b. Design Center
☐	c. Remedial Action District TM	☐	d. Contractor

11. RESPONSE DUE DATE (*Based on type of nonconformance, IF REQUIRED*)

12. TYPE OF ACTIVITY CONDUCTED (*Include types of inspections/audits conducted, operations observed, etc.*)
MDAS inspection.

13. RESULTS AND OBSERVATIONS
Quality Assurance inspection was conducted on all MDAS. MDAS inspection was conducted by the team and verified through QA inspection. All MDAS ready for shipment. No discrepancies noted.

14. DEFICIENCY TYPE (*select one*) ☒ a. Not Applicable ☐ b. Critical ☐ c. Major ☐ d. Minor

☐ e. Other, *Specify*

15. DATE	16. USACE REPRESENTATIVE'S SIGNATURE
2017-04-04	MYERS.DENNIS.J.1010877330

17. CONTRACTOR REPRESENTATIVE'S NAME Gerould Hills, UXOQC, Cape Environmental	18. DATE 2017-04-06

19. CONTRACTOR REPRESENTATIVE'S SIGNATURE (*indicating receipt of the QAR*)
(b) (6) (b) (6)

20. **The Contractor will provide the following information to the Contract Specialist by the "Response Due" date above. Please contact the Contracting Officer's Representative (COR) or Project Manager if you have any questions.**

a. Contractor Response as to Cause and Actions Taken to Correct Current Condition and to Prevent Recurrence (*cite applicable quality control procedures or changes in plans, procedures, or practices*).

b. Contractor Representative's Authentication (*form must be signed before returning*)

(1) Printed Name	(2) Title	(3) Date Signed	(4) Signature

c. Government Evaluation (*acceptance, partial acceptance, etc.*)

d. Government Actions (*reduced payment, cure notice, show cause, other*)

e. Close Out	Name	Title	Date (*YYYY-MM-DD*)	Signature
(1) Contractor Notified				
(2) USACE PDT Representative				
(3) Contracting Officer or COR				

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2		CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003		
TEAM#: 1		TEAM LEADER: Temple Coffindaffer		
INSTRUMENT TYPE: Fisher All-Metals		SERIAL#: 041406891		
DATE	OPERATIONAL CHECK	AM	PM	REMARKS
4-3-17	IVS Function Check	PASS	PASS	
4-4-17	IVS Function Check	PASS	PASS	
4-5-17	IVS Function Check	PASS	PASS	
4-6-17	IVS Function Check	—	—	PACKED FOR DEMOBE
4-7-17	IVS Function Check			

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2		CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003		
TEAM#: 1		TEAM LEADER: Temple Coffindaffer		
INSTRUMENT TYPE: Schonstedt		SERIAL#: 153694		
DATE	OPERATIONAL CHECK	AM	PM	REMARKS
4-3-17	IVS Function Check	PASS	PASS	
4-4-17	IVS Function Check	PASS	PASS	
4-5-17	IVS Function Check	PASS	PASS	
4-6-17	IVS Function Check	—	—	PACKED FOR DEMOB
4-7-17	IVS Function Check			

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003
TEAM#: 1	TEAM LEADER: Temple Coffindaffer
INSTRUMENT TYPE: Schonstedt	SERIAL#: 282306

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
4-3-17	IVS Function Check	PASS	PASS	
4-4-17	IVS Function Check	PASS	PASS	
4-5-17	IVS Function Check	PASS	PASS	
4-6-17	IVS Function Check	—	—	PACKED FOR DEMOB
4-7-17	IVS Function Check			

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003
TEAM#: 1	TEAM LEADER: Temple Coffindaffer
INSTRUMENT TYPE: Schonstedt	SERIAL#: 297276

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
4-3-17	IVS Function Check	PASS	PASS	
4-4-17	IVS Function Check	PASS	PASS	
4-5-17	IVS Function Check	PASS	PASS	
4-6-17	IVS Function Check	—	—	PACKED FOR DEMOB
4-7-17	IVS Function Check			

MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003			
TEAM#: 1	TEAM LEADER: Temple Coffindaffer			
INSTRUMENT TYPE: Schonstedt	SERIAL#: 297275			
DATE	OPERATIONAL CHECK	AM	PM	REMARKS
4-3-17	IVS Function Check	PASS	PASS	
4-4-17	IVS Function Check	PASS	PASS	
4-5-17	IVS Function Check	PASS	PASS	
4-6-17	IVS Function Check	—	—	PACKED FOR DEMOB
4-7-17	IVS Function Check			

CAPE

HEAVY EQUIPMENT INSPECTION REPORT

Date / Day:	Thursday, April 06, 2017
Project Name:	RI Biggs AAF Site 1
Project Location:	Biggs AAF, El Paso, Texas
Equipment Type:	Backhoe
Mfr / Model:	John Deere 310EP

Inspection Description	Checked	Observations (readings, levels, condition, damage, repairs needed)
General appearance	✓	
Hour meter reading	✓	2580.5 hrs
Engine operation / check belts	✓	
Engine oil / water level	✓	
Transmission oil level	✓	
Hydraulic / misc. oil level	✓	
Brake operation / fluid level	✓	
Grease	✓	
Batteries	✓	
Fuel level (gas / diesel)	✓	Full
Hoses & fittings (air, hydraulic…)	✓	
Operation / controls	✓	
Tires / tracks	✓	
Cab (mirrors, seatbelt, glass, horn, turn signals, lights, wipers)	-	
Back-up lights and alarm	✓	
Fire extinguisher condition	✓	
Coupling devices and connectors	N/A	
Exhaust system	✓	
Blade / boom / bucket	✓	
Frame, ladders and walkway	✓	
Steering	✓	

Defects and Repairs Needed / Comments:

Inspected By: (b) (6) [redacted]

Date 4/7/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	NA	
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	3	37mm turned over to EOD team for disposal
Instructions Received From Customer Representative		

Daily Narrative
Arrived on site 0630, Safety brief conducted by Gerry Hills, 5 attendees. Site specific topics: Hydration, sun protection. Completed preparing/packaging of equipment for demobilization. Porta-pots picked up. MDAS picked up for shipment. Site restoration completed, site inspected by Biggs AAF safety officer. Schedule for 4-9-2017: Rolloff to be picked up from site..

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/026	DAY	Friday	Date:	April 7, 2017

Project Title:	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas			**Contract No.:** **Task Order No.:**	W91ZLK-13-D-0003 0003

Weather: ☑ Clear ☐ Partly Cloudy ☐ Cloudy **Temperature:** 58°F **Min.** 88°F **Max.**

Wind: ☐ Calm ☑ Breeze ☐ Windy **Precipitation:** **Rain** 0 **Snow** 0

Max Wind Speed: 22 mph **Weather Information Source:** www.accuweather.com

1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility:

Number	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervision					
1	George Payne	10.0	240.0	Cape	SUXOS
2	Gerould Hills	10.0	240.0	Cape	UXOSO/UXOQC
3	Temple Coffindaffer	10.0	240.0	Cape	TECH III
4	Gery Base	10.0	240.0	Cape	UXO Tech II
5	Ed Fisher		197.0	Cape	UXO Tech II
6	Dave Cole		154.0	Cape	UXO Tech II
7	Laura Coffindaffer	10.0	240.0	Cape	UXO Escort
8					
9	Bill Butler		220.0	Parsons	Field Technician
10	Brett Lyons		119.0	Parsons	Site/Project Geophysicist
11	Edward Ofoari-asabere		47.0	Parsons	Field Technician
	Total Hours:	**50.0**	**1937.0**		

Comments (List any Visitors to Project and purpose of Visit):

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite

Description (Make and Model Number)	e	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017	4/7/17	04/06/17	35	3	5	
Chevy Silverado- Black - Cape	3/3/2017	4/7/17	04/06/17	35	3	5	
Nissan Titan 4x4 - Parsons	2/28/2017	4/5/17	04/05/17	38	8	0	
Cushman Hauler ATV (171478 - Cape)	3/3/2017	4/7/17	04/06/17	35	6	2	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017	4/7/17	04/06/17	37	6	2	
John Deere 310p Backhoe	3/25/2017	4/6/17	04/06/17	13	2	6	
RTK GPS	2/28/2017	4/5/17	04/04/17	38	0	3	
EM61 Portable Array	3/13/2017	4/5/17	04/04/17	26	0	3	

Comments:

3. Work Performed Today: (Indicate location and description of work performed by CAPE and/or Subcontractors. When network analysis is used, identify work by activity number)

a	Notified Shane Offutt, Base Environmental, to request EOD support to pick up three 37mm projectiles recovered this week. EOD team arrived on site and took possession of items. COC forms (DD Form 1348 and Suspect MEC Sheet) are included as attachment to this report. EOD incident report will follow after unit commander's signature.
b	All rental equipment, with the exception of the trash dumpster, was removed from site. Dumpster will be picked up Monday morning.
c	MDAS picked up for shipment to recycling facility.
d	Biggs AAF airfield safety officer inspected and approved site for cleanliness.
e	
f	
g	
h	

4. Three Phase Control Activities Performed:

	Definable Features of Work (DFW)	Meetings / Inspections Completed		
		Preparatory	Initial	Follow-up
a	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1
c	DGM Operations	02/28/17	03/01/17	03/08/17
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17
e	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17
j	Demobilization	04/04/17	04/05/17	04/06/17

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/026	DAY	Friday	Date:	April 7, 2017

5. Tests Performed and Test Results:

Laboratory Analytical Testing:

Type of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MS/MSD - Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/31/17	0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	03/31/17	0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-15"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-42"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-54"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-36"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-03-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/03/17	0B0D1-DF14-SS-04-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/04/17	0B0D1-DF2-SS-01-13"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	MS/MSD
Discriminant	04/04/17	0B0D1-DF2-SS-01-38"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Discriminant	04/04/17	0B0D1-DF2-SS-01-50"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Incremental	04/05/17	0B2-SU01-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-02	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-03	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU02-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU02-SS-02	Explosives, MC Metals, Ph	04/05/17	SO	MS/MSD

Comments:

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/026	DAY	Friday	Date:	April 7, 2017

6. Inspections Performed and Inspection Results:

Area / Work Element Inspected	Location of Inspection on Project Site	Inspection Results (Accept / Reject)
Demobilization and Site Restoration	OBOD Site 1 and OB Site 2	Accept

7. Material Received: (Note inspection results and storage provided)

Item	Description	Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Provided	Inspection Results (Accept or Reject)	Complies with Buy American Act
a	None						☐ Yes ☐ No
b							☐ Yes ☐ No
c							☐ Yes ☐ No

8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property:

Non-Hazardous Transportation and Disposal

Waste Type	Daily Volume	Cumulative Total	Transporter	Disposal Facility
None				

Recyclable Material Transportation and Management

Material Type	Daily Volume	Cumulative Total	Transporter	Receiving Facility
None				

9. Job Safety: (List items checked, results, instructions, and corrective actions taken)

Inspections Conducted:

Personal PPE	X	First Aid Kits	X				
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X	Heavy Equipment	X				

Comments: (include violations, corrective measures, damaged or compromised equipment, etc.

a	None
b	
c	
d	
e	

Daily Tailgate Safety Meeting: (summarize topics discussed)

Slips, Trips and Falls, Material Handling, Driving Safety, Housekeeping and Hygiene, Don't Text in Work Zone (Corporate)

Were all activities conducted in accordance with EM 385-1-1?	X	YES	

10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered)

11. Planned Activities: (List anticipated field activities for next day of work)

Operations complete.

320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:	21003-0003/026	DAY	Friday	Date:	April 7, 2017

12. Safety Hours:			
Daily safety hours including CAPE and Subcontractors:	50.0	Number of On-site Workdays:	26
Cumulative safety hours to date:	1937.0	Calendar Days since Start of Work:	39

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except (b) (6)

[redacted]

7-Apr-17
Date

7-Apr-17
Date

TAILGATE SAFETY MEETING RECORD

Day / Date: Friday, April 07, 2017	**Time:** 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	**Project Number:** W91ZLK-13-D-0003
Client: Ft. Bliss	**Location:** Ft. Bliss, Texas
Specific Location: Biggs AAF, El Paso, Texas	
Work Description: Site Clean-up, Equipment Inventory and Packing, Rental Equipment Turn In	
Comments:	

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.
2. Material Handling
3. Don't Text in a Work Zone (Corporate)

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. **Driving Safety**
2. **Good housekeeping and hygiene.**
3. **Report all injuries to UXOSO, no matter how small they may be.**

(b) (6) [redacted]

EETING ATTENDEES

	Name Printed / Initial
	8.
	9.
	10.
	11.
	12.
	13.

uld Hi

(b) (6) [redacted]

320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project Number:	21003.003	**Date:**	April 7, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II		

TIME IN	TIME OUT	(b) (6) [redacted]	ORGANIZATION
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1700		CAPE
0630	1830		Cape

MEC Accountability Log

Inventory of Munitions Recovered from OB/OD Site 1 and OB Site 2, Biggs AAF, Ft. Bliss, Texas

MEC Accountability Log

Item Number	Date Recovered	Location	Suspect MEC Sheet Number	Depth	Description of Item	Condition	Quantity Recovered	Item Safe to Move	Date of Disposal	Comments
1	3/10/2017	OBOD Site 1, Area 1	1	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
2 - 6	3/10/2017	OBOD Site 1, Area 1	2	0	37mm Projectile, T324E23	Unfired	5	Yes	3/10/2017	Turned over to 734 EOD
7	3/10/2017	OB2	3	0	40mm Projectile, Mk2	Fired	1	Yes	3/10/2017	Turned over to 734 EOD
8 - 26	3/10/2017	OBOD Site 1, Area 1	4	0	20mm Cartridge, TP, M99	Unfired	19	Yes	3/10/2017	Turned over to 734 EOD
27	3/10/2017	OBOD Site 1, Area 1	5	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
28	3/10/2017	OBOD Site 1, Area 1	6	0	Bulk HE (~1 pound)	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
29	3/10/2017	OBOD Site 1, Area 1	7	0	20mm Projectile, HEI, M97	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
30	3/10/2017	OBOD Site 1, Area 1	8	0	Tracer for 37mm T324E23	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
31 - 32	3/10/2017	OBOD Site 1, Area 1	9	0	20mm Projectile, HEI, M97	Unfired	2	Yes	3/10/2017	Turned over to 734 EOD
33	4/4/2017	OBOD Site 1, Area 1	10	0	37mm Projectile, T324E23	Unfired	1	Yes		
34 - 35	4/5/2017	OBOD Site 1, 02-02	11	1	37mm Projectile, T324E23	Unfired	2	Yes		
						Total	35			

DD FORM 1348-1A, JUL 91 (EG) ISSUE RELEASE/RECEIPT DOCUMENT

PREVIOUS EDITION MAY BE USED

1	2	3	4	5	6	7	23	24	25	26	27	28	29	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
DOC	IDENT	RI FROM	M&S	UNIT	ISS	QUANTITY								SER	SUPPLEMENTARY ADDRESS					SIG	FUND	DISTRIBUTION				PROJECT		PRI	REQD	DEL	DATE	ADV		RI		O/P	COND	MGT													

1. TOTAL PRICE

UNIT PRICE: DOLLARS | CTS

DOLLARS | CTS

2. SHIP FROM
Cape Environmental
Biggs AAF, OB/OD
Site 1,
Ft Bliss, TX

3. SHIP TO
734 EOD
Ft. Bliss ~~EOD~~

4. MARK FOR

5. DOC DATE	6. NMFC	7. FRT RATE	8. TYPE CARGO	9. PS

10. QTY. REC'D	11.UP	12. UNIT WEIGHT	13. UNIT CUBE	14. UFC	15. SL
See Block 27					

16. FREIGHT CLASSIFICATION NOMENCLATURE

17. ITEM NOMENCLATURE
See Block 27

18. TY CONT	19. NO CONT	20. TOTAL WEIGHT	21. TOTAL CUBE

24. DOCUMENT NUMBER & SUFFIX (30-44)

25. NATIONAL STOCK NO. & ADD (8-22)

(b) (6)

Cape UXOSO/UXOQC

(b) (6)

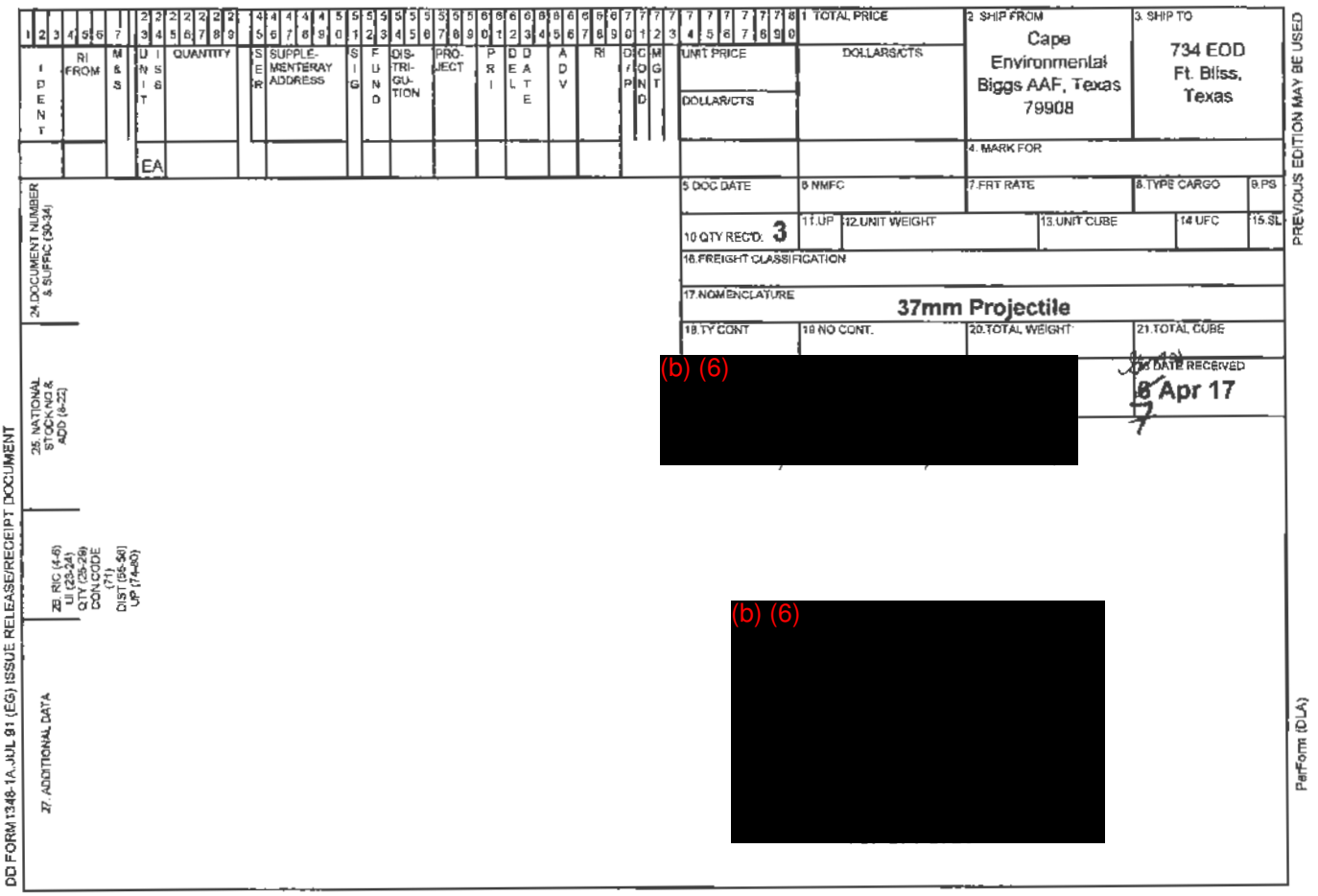
(b) (6)

ATE RECEIVED
Mar 10, 2017

26. RIC (4-6)
UI (23-24)
QTY (25-29)
CON CODE (71)
DIST (55-66)
UP (74-80)

27. ADDITIONAL DATA

1 ea - 40mm Projectile, MK IV
7 ea - 37mm Projectiles
3 ea - 20mm HE Projectile
19 ea - 20mm TP cartridges
2 pcs - Bulk HE (~1 pound)
1 ea - 37mm Tracer



DD FORM 1348-1A, JUL 91 (EG) ISSUE RELEASE/RECEIPT DOCUMENT

PREVIOUS EDITION MAY BE USED

Perform (DLA)

1 TOTAL PRICE	
2 SHIP FROM	Cape Environmental Biggs AAF, Texas 79908
3 SHIP TO	734 EOD Ft. Bliss, Texas
UNIT PRICE	
DOLLARS/CTS	
4 MARK FOR	
5 DOC DATE	
6 NMFC	
7 FRT RATE	
8 TYPE CARGO	
9 PS	
10 QTY RECD	3
11 UP	
12 UNIT WEIGHT	
13 UNIT CUBE	
14 UFC	
15 SL	
16 FREIGHT CLASSIFICATION	
17 NOMENCLATURE	37mm Projectile
18 TY CONT	
19 NO CONT	
20 TOTAL WEIGHT	
21 TOTAL CUBE	
22 DATE RECEIVED	6 Apr 17
23 NATIONAL STOCK NO & ADD (4-22)	
24 DOCUMENT NUMBER & SUFFIX (30-34)	
25 RIC (4-6) UI (23-24) QTY (25-29) CON CODE (71) DIST (56-58) UP (74-80)	
27 ADDITIONAL DATA	

(b) (6) [redacted]

(b) (6) [redacted]

1 TOTAL PRICE	2. SHIP FROM	3. SHIP TO
UNIT PRICE 0.00 / DOLLARS/CTS $0.00	Cape Environmental Biggs AAF, Texas 79908	Bonetti Explosives 303 Washington St. Columbus, TX 78934

Rr FROM: 0 | UNIT: EA | 0

4. MARK FOR

5. DOC DATE | 6. NMFC | 7. FRT RATE | 8. TYPE CARGO | 9. PS

10. QTY REC'D 1 | 11. UP | 12. UNIT WEIGHT | 13. UNIT CUBE | 14. UFC | 15. SL

16. FREIGHT CLASSIFICATION

17. NOMENCLATURE MDAS

18. TY CONT | 19. NO CONT | 20. TOTAL WEIGHT 400# | 21. TOTAL CUBE

22. R [redacted] | 23. DATE RECEIVED 4-7-17

24. DOCUMENT NUMBER & SUFFIX (30-44): 77777712405

25. NATIONAL STOCK NO & ADD (8-22)

Seal Numbers: 6577761 and 6577762

[redacted]

26. RIC (4-6) UI (23-24) QTY (25-29) CON CODE (71) DIST (55-56) UP (74-80)

27. ADDITIONAL DATA

"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of my knowledge and belief does not pose an explosive hazard."

[redacted] [redacted]

[redacted] SUXOS
Cape Environmental 443-417-8781

[redacted] UXOQCS
Cape Environmental
757-371-5781

DD FORM 1348-1A, JUL 91 (EG) ISSUE RELEASE/RECEIPT DOCUMENT

PREVIOUS EDITION MAY BE USED

PerForm (DLA)

FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT

OLD DOMINION FREIGHT LINE, INC

PHONE: 800-432-6335 WEB: www.odfl.com

INTERNET STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

77777712405

FREIGHT CHARGES:	DATE:
Prepaid	04/07/2017

B/L# -

PO#:

SHIPPER
CAPE ENVIRONMENTAL, INC.
BIGGS AAF BASE
GATE 13
EL PASO, TX 79908
USA Ph#: 757-371-5781
GERRY HILLS

CONSIGNEE
BONETTI EXPLOSIVES, LLC.
1618 SMITH RAU ROAD
COLUMBUS, TX 78934
USA Ph#: 979-739-5597
MATT BARNETT

COD
Amount:
COD Fee:

Subject to section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful changes.

(Signature of Consignor)

BILL CHARGES TO:
AMERICAN EOD SERVICES INC
2911 HARVARD AVE
BUTTE, MT 59701
USA Ph#: 818-621-3689
GEORGE MACKANIN

REMIT TO (COD):

Pieces	HM	Description	Type	NMFC No.	Class	Weight (lbs)
1		MATERIAL DOCUMENTED AS SAFE (MDAS).	SKID		70	585
		MUNITIONS DEBRIS SCRAP METAL.				

SPECIAL INSTRUCTIONS

Rate Ref: 68454292

HAZARDOUS MATERIALS EMERGENCY CONTACT: -

Total Weight: 585

Total Shipping Units: 1 - Skids

RECEIVED and mutually agreed by the Shipper, his assigns and any additional party with an interest to any of said property hereto and by the Carrier of all or any of said property over all or any portion of said route to destination. That every service to be performed hereunder shall be subject to the National Motor Freight classifications (NMF 100 Series) including the Rules, packaging, the Uniform Bill of Lading Terms and Conditions, applicable regulations of the US Department of Transportation (DOT), ATA Hazardous Materials Rules Guide Book, Household Goods Mileage Guides, Carrier's tariffs (including OD Rules 100), Carrier's pricing schedules, terms, conditions and rules maintained at Carrier's general offices all of which are in effect as of the date of issue of this Bill of Lading. Shipper certifies that the consigned merchandise is properly weighed, classified, described, packaged, marked, labeled, destined as indicated, in apparent good order except as noted (contents and conditions of contents of packages unknown), and in proper condition for transportation according to the DOT and the NMF 100 Series. Carrier (Carrier defined throughout this contract as meaning any person or corporation in possession of the property under this contract) agrees to carry to said destination if on its route, otherwise to deliver to another carrier on the route to said destination. Carrier shall in no event be liable for loss of profit, income, interest, attorney fees, or any special, incidental or consequential damages.

NOTE-Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. Noting a value is not a request for Additional Cargo Liability.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

Carrier's maximum cargo liability, unless otherwise set forth in applicable tariffs (including OD Rules 100, Items 594 Items 594 & 574), is: for new commodities - $5.00 per pound or $50,000 per occurrence; for used commodities (incl. machinery) or household goods - $0.10 per pound or $10,000 per occurrence.
See tariffs for available higher levels of carrier cargo liability.
Shipper 1) warrants it has read all applicable contract(s) or Carrier's applicable tariff(s), including but not limited to OD Rules 100, and the limitation of liability provisions set forth therein; and 2) has actual knowledge of and accepts the contract or tariff terms, including the limits on carrier liability.

ACCESSORIAL SERVICES REQUESTED

☑ HYO

SHIPPER: CAPE ENVIRONMENTAL, INC.	DATE:	H/U RECEIVED:	TRAILER NO.:
AUTHORIZED SIGNATURE: (Shipper)	CARRIER: OLD DOMINION FREIGHT LINE, INC.		
	AUTHORIZED SIGNATURE: (Driver)		

APPENDIX C
PHOTODOCUMENTATION LOG

320-14A - PHOTO RECORD

Contract Number:	W91ZLK-13-D-0003	**Task Order No:**	0003
CAPE Project No.:	21003.0003	**Date:**	3-Mar-17
Project Location:	Ft.Bliss, Texas		

PHOTO NUMBER:	**1**	**DATE TAKEN:**	**3-Mar-17**
Description:	UXO Team escorting surveyor setting boundary/transect stakes at Site I OB/OD area.		

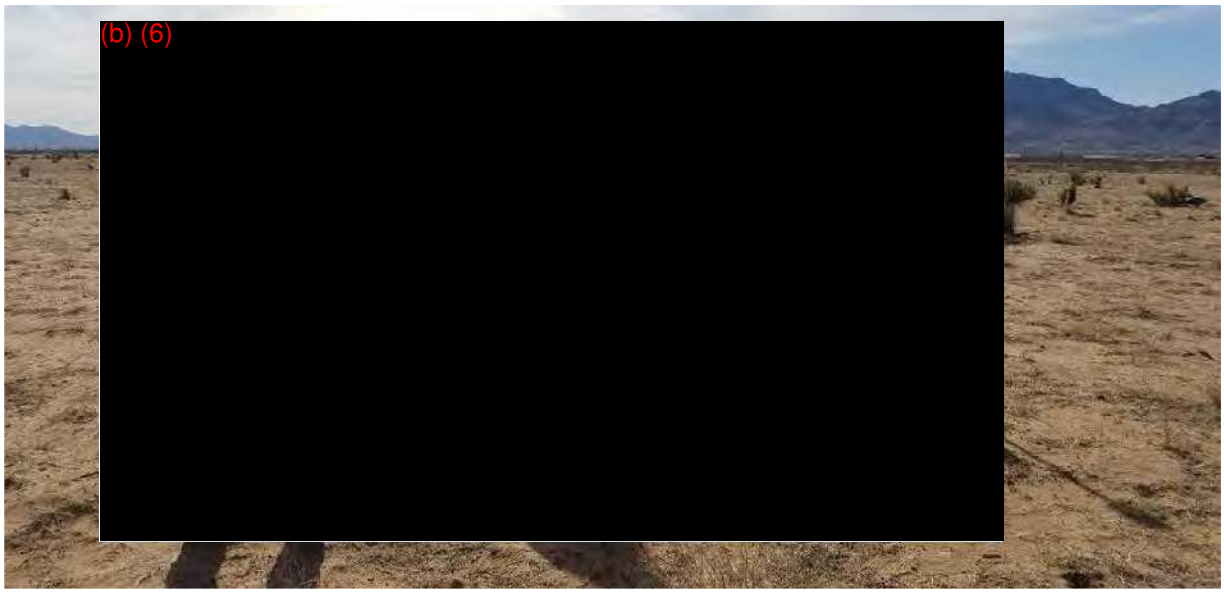


PHOTO NUMBER:	**2**	**DATE TAKEN:**	**7-Mar-17**
Description:	Geo Team Marking Transect Lines		

APPENDIX D
ANALYTICAL DATA

The entire analytical data packages, in PDF format, for FA42100, FA42152 and FA42817 are provided here in the electronic format only.

Fort Bliss
El Paso, Texas
Biggs Army Airfield OB/OD Site I and OB Site II
Validated Data Summary for Incremental Soil Samples Collected March and April 2017

SITE:			Ambient Location					Biggs OB Site II									
LOCATION:			OBOD1-AU01			OBOD1-AU02	OBOD1-AU03	OB2-SU01						OB2-SU02		OB2-SU03	
SAMPLE ID:		PROJECT ACTION LIMIT[1]	OBOD1-AU01-SS-01*	OBOD1-AU01-SS-02*	OBOD1-AU01-SS-03*	OBOD1-AU02-SS-01	OBOD1-AU03-SS-01	OB2-SU01-SS-01*	OB2-SU01-SS-01*	OB2-SU01-SS-02*	OB2-SU01-SS-02*	OB2-SU01-SS-03*	OB2-SU01-SS-03*	OB2-SU02-SS-01	OB2-SU02-SS-01	OB2-SU03-SS-01	OB2-SU03-SS-01
DATE SAMPLED:			03/15/2017	03/15/2017	03/15/2017	03/15/2017	03/15/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017
LAB SAMPLE ID:			FA42100-1	FA42100-2	FA42100-3	FA42100-4	FA42100-5	FA42152-4	FA42817-1	FA42152-5	FA42817-2	FA42152-6	FA42817-3	FA42152-7	FA42817-4	FA42152-8	FA42817-5
SAMPLE DEPTH (ft bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Polynuclear Aromatic Hydrocarbons - SW8270D-SIM	**Units**																
1-Methylnaphthalene	mg/Kg	1.5	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
2-Methylnaphthalene	mg/Kg	8.5	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Acenaphthene	mg/Kg	20	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Acenaphthylene	mg/Kg	120	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Anthracene	mg/Kg	6.8	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Benzo(a)anthracene	mg/Kg	0.80	**0.0034 J**	0.0066 U	0.0065 U	0.0068 U	**0.0045 J**	**0.0035 J**	--	0.0067 U	--	0.0067 U	--	**0.0035 J**	--	**0.0034 J**	--
Benzo(a)pyrene	mg/Kg	0.56	**0.0047 J**	**0.0051 J**	0.0065 U	0.0068 U	**0.0056 J**	**0.0046 J**	--	**0.0042 J**	--	**0.0038 J**	--	**0.0045 J**	--	**0.0057 J**	--
Benzo(b)fluoranthene	mg/Kg	5.7	**0.0084 J**	**0.0098 J**	**0.0060 J**	**0.0058 J**	**0.010 J**	**0.0080 J**	--	**0.0073 J**	--	**0.0066 J**	--	**0.0083 J**	--	**0.010 J**	--
Benzo(g,h,i)perylene	mg/Kg	24	**0.0042 J**	**0.0054 J**	0.0065 U	0.0068 U	**0.0051 J**	**0.0043 J**	--	**0.0036 J**	--	**0.0034 J**	--	**0.0047 J**	--	**0.0052 J**	--
Benzo(k)fluoranthene	mg/Kg	57	0.0068 U	0.0066 U	0.0065 U	0.0068 U	**0.0038 J**	0.0066 U	--	0.0067 U	--	0.0067 U	--	0.0066 U	--	**0.0033 J**	--
Chrysene	mg/Kg	2.4	**0.0056 J**	**0.0063 J**	**0.0038 J**	**0.0038 J**	**0.0065 J**	**0.0055 J**	--	**0.0046 J**	--	**0.0045 J**	--	**0.0054 J**	--	**0.0066 J**	--
Dibenz(a,h)anthracene	mg/Kg	0.55	0.0068 U	0.0066 U	0.0065 U	0.0068 UJ	0.0068 U	0.0066 U	--	0.0067 U	--	0.0067 U	--	0.0066 U	--	0.0067 U	--
Fluoranthene	mg/Kg	10	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Fluorene	mg/Kg	30	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Indeno(1,2,3-cd)pyrene	mg/Kg	5.7	**0.0041 J**	**0.0055 J**	0.0065 U	0.0068 U	**0.0053 J**	**0.0048 J**	--	**0.0036 J**	--	**0.0037 J**	--	**0.0051 J**	--	**0.0057 J**	--
Naphthalene	mg/Kg	1.0	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Phenanthrene	mg/Kg	5.5	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Pyrene	mg/Kg	10	0.034 U	0.033 U	0.033 U	0.034 UJ	0.034 U	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--	0.033 U	--
Explosives - SW8330B																	
1,3,5-Trinitrobenzene	mg/Kg	0.91	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
1,3-Dinitrobenzene	mg/Kg	0.10	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
2,4,6-Trinitrotoluene (TNT)	mg/Kg	0.10	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 UJ
2,4-Dinitrotoluene	mg/Kg	0.10	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
2,6-Dinitrotoluene	mg/Kg	0.10	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
2-Amino-4,6-dinitrotoluene	mg/Kg	0.10	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
2-Nitrotoluene	mg/Kg	0.10	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
3-Nitrotoluene	mg/Kg	0.92	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
4-Amino-2,6-dinitrotoluene	mg/Kg	0.10	--	--	--	--	--	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ
4-Nitrotoluene	mg/Kg	0.22	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	mg/Kg	0.10	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	mg/Kg	0.28	--	--	--	--	--	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ	--	0.075 UJ
Nitrobenzene	mg/Kg	0.18	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
Nitroglycerin	mg/Kg	1.0	--	--	--	--	--	--	0.50 U	--	0.50 U	--	0.50 U	--	0.50 U	--	0.50 UJ
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	mg/Kg	1.2	--	--	--	--	--	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U	--	0.075 U
Pentaerythritol Tetranitrate (PETN)	mg/Kg	6.2	--	--	--	--	--	--	0.50 U	--	0.50 U	--	0.50 U	--	0.50 U	--	0.50 U
Metals - SW6010C																	
Aluminum	mg/Kg	64,000	--	--	--	--	--	--	**5,420**	--	**5,420**	--	**4,850**	--	**5,080**	--	**4,650 J**
Antimony	mg/Kg	2.7	--	--	--	--	--	--	**0.098 J**	--	0.24 U	--	0.17 U	--	0.18 U	--	**0.066 J**
Copper	mg/Kg	70	--	--	--	--	--	--	**8.7**	--	**8.3**	--	**7.5**	--	**7.6**	--	**6.8**
Lead	mg/Kg	1.5	--	--	--	--	--	--	**12.4**	--	**12.1**	--	**12.2**	--	**12.3**	--	**10.4**
Zinc	mg/Kg	120	--	--	--	--	--	--	**21.5**	--	**21.4**	--	**18.6**	--	**18.7**	--	**17.2**
pH - SW9045D																	
pH	pH units	NA	--	--	--	--	--	--	**7.64**	--	**7.53**	--	**7.73**	--	**7.84**	--	**7.51**

QA NOTES AND DATA QUALIFIERS:

(NO CODE) - Confirmed identification.
U - Analyte was analyzed for but not detected above the reported limit of detection (LOD).
UJ - Analyte not detected, reported LOD may be inaccurate or imprecise.
J - Analyte detected, estimated concentration.
* - Field triplicate sample.
-- - Sample not tested for this analyte.
Detections are bolded.

Detections above the PAL are highlighted.

NOTES:

[1] Project Action Limits are the most conservative screening value among the applicable Human Health Screening Values (TCEQ TRRP Tier 1, 30-acre source area Residential Soil PCLs and Tier 1, 30-acre source area Residential Protection of Groundwater PCLs: http://www.tceq.state.tx.us/remediation/trrp/trrppcls.html) and Ecological Screening Values (TCEQ Ecological Risk Assessment Program, Draft: Conducting Ecological Risk Assessments at Remediation Sites in Texas, Table 3.4 using lowest value of earthworm and plant. Revised Jan 2014. RG 263: https://www.tceq.texas.gov/assets/public/remediation/trrp/rg263-draft.pdf. If ecological value was not available from TCEQ, used the LANL EcoRisk Database, Release 3.2, October 2014: http://www.lanl.gov/community-environment/environmental-stewardship/protection/eco-risk-assessment.php). Where the PAL determined from these values was less than the LOQ, then the LOQ was used as the PAL. This is consistent with TRRP.

mg/kg - milligrams per kilogram.
ft bgs -feet below ground surface.